



**INSTITUTE FOR
CO-OPERATIVE EDUCATION**



CAE INC.

SYSTEM SOFTWARE SPECIALIST

St-Laurent, QC, Canada

- Played an active role resolving snags for a full-flight simulator during validation and verification
- Tested the interaction of the systems with the rest of the simulator features
- Supported other software specialist in the resolution of their snags
- Assisted in the development of a visual user interface related to the onboard aircraft systems

PRATT & WHITNEY CANADA

CUSTOMER ENGINEERING INTERN

Longueuil, QC, Canada

- Assisted the team in analyzing engine parameters for the helicopter market
- Developed and revised technical documents to help operate, maintain and repair turboshaft engines
- Assisted the team with writing Instructions for Continued Airworthiness
- Supported the department in the weekly activities to identify opportunities for improvement

BOMBARDIER AVIATION

MORE ELECTRIC AIRCRAFT - SYSTEMS INTEGRATION

St-Laurent, QC, Canada

- Established physics-based simulation tools and user interfaces for future aircraft systems
- Validated and verified models against delivery reports and systems/aircraft level requirements
- Collected all model output data to perform review of systems performance and functionality
- Researched viability and future application of low TRL technologies along with suppliers

Experiential Growth

- Had the opportunity to work in three big areas of the aerospace industry: simulation, supplier and airframer
- Discovered what areas in the field appeal to me
- Learned about simulation types, limitations and testing
- Learned about aircraft systems functioning, development, testing, interfacing and servicing
- Vice-President of Concordia SAE
- Coordinator of Concordia SAE Aero Design Team

Benefits of Co-op

- Provides hands-on learning experience
- Offers an opportunity to try different areas of interest
- Connects the class learning and the industry needs
- Provides an opportunity to recognize strengths and weaknesses and how to find a job that fits you



BAKER TILLY JUNIOR AUDITOR Montreal, QC, Canada

- Assist in the preparation and analysis of financial statements in accordance with Firm standards for clients in a variety of businesses and non-profit enterprises by completing assigned working papers.
- Preparation of tax returns
- Perform audit tests in accordance with Internal Audit's methodology.

RBC WEALTH MANAGEMENT, ESTATE AND TRUST SERVICES TAX ADMINISTRATOR Montreal, QC, Canada

- Prepare deceased T1 and T3 income tax returns.
- Assist in tax research and gathered financial information required to finalize tax returns.
- Contacted CRA and Revenue Quebec to inquire about accounts and documentations.

BOMBARDIER AEROSPACE FINANCE ANALYST Montreal, QC, Canada

- Track the program's budget, ensure financial engagements made by the functional groups throughout the year are respected.
- Evaluate if financial forecast are aligned with the objectives defined by the program.
- Maintain and manage budget risks and opportunities, while providing recommendations based on our analysis and work with the cross functional teams.

Experiential Growth

- Attended John Molson's Women in Leadership (JMWL)'s various events.
- Participated in the JMAS Tax Clinic for 2 years as Logistics and as a Tax Preparer volunteer.
- Aid organize ENGCOMM's FINTECH Case Competition as Director of Academics.

Benefits of Co-op

- Co-op advisors gave great advise looking over your resume and cover letter.
- Prepared you on how to conduct in an interview.
- Having the opportunity to implement what you learn in the class onto the field, as well as bringing other aspects you learn on the job back to the classroom.
- You get the chance to try out different roles in your field so that you have a better idea on what you want to do once you graduate.



CAE HEALTHCARE

SOFTWARE QUALITY ASSURANCE INTERN

Saint-Laurent, QC, Canada

- Tested the healthcare simulators on a variety of platforms.
- Created and ran test cycles using Jama Contour.
- Performed test automation using Ranorex and the C# programming language.
- Reported defects and issues to the development team.

PAYSAFE GROUP

SOFTWARE DEVELOPER INTERN

Westmount, QC, Canada

- Developed unit tests for microservices based on Spring Framework
- Managed stories and reported issues to my teammates using JIRA.
- Debugged and added additional functionality to the microservices used for merchant auto-boarding.
- Worked in a team using Agile Methodologies along with daily scrum meetings.

PAYSAFE GROUP

SOFTWARE DEVELOPER INTERN

Westmount, QC, Canada

- Migrated a legacy enterprise system to newer technologies powered by JavaScript instead of Adobe Flex.
- Guided my team of interns with any problems they had regarding professional software development as the senior intern.
- Upgraded the system's server-side Java code to follow modern conventions and standards.
- Wrote unit tests for the server-side Java code as well as automated UI tests for the new client side interface using Selenium WebDriver.

Experiential Growth

- Gained insight on the major phases of software projects from development to testing.
- Improved my communication and teamwork skills.
- Gained valuable insight about my goals for the future and what I want to achieve.
- Built lasting relationships with my colleagues.
- Improved my software development and programming skills.

Benefits of Co-op

- Provides the perfect opportunity to network and connect with people working in your field.
- Gain real world work experience to determine if this field is right for you.
- Gives you the opportunity to apply the theory learned in the classroom to real world problems
- Improves your interviewing, resume building and job searching skills.
- Helps secure full time employment for after you graduate.
- Gives you the opportunity to acquire skills beyond the classroom.



Canadian Nation Railway (WORK TERM 1 & 2)

Jr. Solution Modeller
Montreal, Quebec, Canada

- Designed various UML Diagrams and Solution Models for CN's PTC Project
- Produced the SAP ERP Architectural Artifact specific for CN
- Obtained hands on experience with Sparx Enterprise Architecture to translate complex raw documents to solutions
- Studied and practiced impact analysis while working with the system's architecture

Federal Government (WORK TERM 3)

Automation Engineer (Intern)
Ottawa, Ontario, Canada

- Integrated Selenium and the TestNG framework into the Intelligent System
- Enabled headless tests through encrypted keys and set up proxy servers
- Implemented solutions for synchronization issues with the system
- Successfully automated tests from the manual approach and thus created a guide to train future employees on the process

Experiential Growth

- Gained valuable practical knowledge about the major fields of: Software Architecture and Software Development, which offers an enabling insight to Software Engineering as a whole
- Enhanced my problem solving skills and exposed to various cutting edge technologies
- Developed communication and team working to meet the standards of the industry

Benefits of Co-op

- Introduced to various industries and realized the endless positions available for my degree
- Learned to apply theoretical knowledge into practical solutions into real life industries
- Developed my professionalism through not only the work terms but also the various interviews obtained
- Developed networking skills and built good relationships with experienced personals



SUN LIFE FINANCIAL FACILITIES COORDINATOR Montreal, QC, Canada

- Acted as the actual Space Planner for the Montreal downtown building
- Managed in entirety several reconfiguration projects involving the addition of new workstations
- Created reconfiguration proposals and modified floor plans with the use of AutoCAD
- Kept floor plans up-to-date on a weekly basis using Computer-Aided Facility Management systems (CAFM)

NATURAL RESOURCES CANADA BUILDING SCIENCE TECHNICIAN Ottawa, ON, Canada

- Assisted in several energy audits for residential buildings using HOT2000
- Participated in the installation and testing of an instantaneous water-heater with CanmetENERGY
- Analyzed various results and determined the energy efficiency of the water-heater under CSA Standards
- Developed a spreadsheet which automatically analyzes double or triple blower door results from an energy audit

NAVADA ASSISTANT ENGINEER FOR THE HVAC CONTROL DEPARTMENT Longueuil, QC, Canada

- Designed several control drawings for HVAC projects using VISIO
- Prepared bid cost estimates for the control equipment of new projects
- Managed the control equipment inventory and prepared the material for projects
- Verified installation of control systems on site

Experiential Growth

- Expanded my designing skills through the supervision of an engineer and the use of various software
- Improved communication skills, both orally and written
- Concrete experience with real-life testing and manipulation of equipment
- Developed stronger problem solving abilities
- Gained practical knowledge in engineering that is not covered in courses

Benefits of Co-op

- Provides the chance to gain hands—on experience in your field of study
- Helps to determine which career paths interest you or those that don't interest you
- Creates opportunities to expand your professional network
- Provides excellent guidance for job searching
- Possibility of getting a job offer from an internship before even finishing your degree

BOMBARDIER AEROSPACE

AFTERMARKET PRICING ANALYST

Dorval, Quebec, Canada

- Established and maintained pricing for aftermarket aircraft products and services while ensuring a competitive advantage; responded to pricing queries from internal company departments
- Performed analyses of price and margin and research of market prices of the competition
- Contacted suppliers to obtain part information such as cost and dimensions
- Assisted in management of annual catalogue revisions for aftermarket parts and services

BOMBARDIER AVIATION

STRATEGY & BUSINESS DEVELOPMENT - PROCUREMENT & OPERATIONS INTERN

Dorval, Quebec, Canada

- Supported business' strategic plan to reduce costs by updating the multimedia "war room", which displays its spend categories and initiatives
- Collaborated to develop, test, and present an application to be used by business units across the organization to upload and review purchase requests
- Coordinated and prepared presentations to be presented to and by the leadership team and provided improvements recommendations
- Participated in internal preparation and phone calls for contract negotiations with suppliers

JAM INDUSTRIES

PROJECT MANAGEMENT – LOGISTICS INTERN

Baie D'Urfe, Quebec, Canada

- Mapped & analyzed Logistic Department processes; identified efficiency improvement opportunities
- Created database to organize documentation of macro & sub processes, procedures & templates
- Performed data analysis to calculate average timing of process phases such as SKU/PO creation
- Managed consolidation of contracts and associated them to vendor accounts while ensuring alignment of objectives

Experiential Growth

- Explored various facets of business in academia and applied this knowledge to my internship experiences
- Actively developed both interpersonal and technical skills through group projects
- Executive Vice-President and Director of External Affairs of the John Molson Supply Chain and Business Technology Management Association (JSBA)
- Co-Founder, President and Vice President of Internal Affairs of the Concordia Dance Club
- Attended and volunteered in JSBA's networking and conference events and in Casa Cares' annual fundraising fashion show

Benefits of Co-op

- Supports the growth of your professional network within and outside the co-op community
- Provides training and excellent advising opportunities for skills such as resume and cover letter writing
- Hosts skill-building workshops and networking events for students and employers
- Exposes students to many and diverse interview methods
- Grants the opportunity to gain valuable professional experience before graduating
- Offers volunteering opportunities such as open house assisting and the mentorship program





CAE INC.

PLATFORM SOFTWARE DEVELOPER

Montreal, QC, Canada

- Experimented with different automation solutions to optimize workflow on the Platform team.
- Automated process to build, deploy and test customized Windows 10 images for Image Generator computers.
- Reduced build and maintenance times for system images from a week to 40 minutes.
- Planned and communicated work tasks in Agile and Scrum.

SQUARE-ENIX MONTREAL

FULL STACK SOFTWARE DEVELOPER

Montreal, QC, Canada

- Developed frontend and backend features for internal game management web portal.
- Implemented streamlined semi-automated support for user data retrieval and removal requests for compliance with GDPR regulations.
- Designed a tool to auto-generate the latest documentation and application programming interfaces for the backend codebase in multiple languages.
- Participated in the Agile process with daily stand-ups and bi-weekly work planning.

DOTT

BACKEND SOFTWARE DEVELOPER

Amsterdam, North Holland, Netherlands

- Developed scalable core platform functionalities for e-scooter ridesharing service.
- Built vehicle parts management system to track hardware changes on scooters.
- Contributed towards the design of a new payments system for optimized unit economics and to comply with the latest 3D-Secure protocol.
- Migrated scooter internal hardware for improved reliability, impacting upwards of 10,000 vehicles.

Experiential Growth

- Developed my technical and interpersonal aptitudes, as well as my critical thinking and problem solving.
- Strengthened my skills in software development through industry's best practices.
- Improved my confidence and learned to take ownership of my work.
- Increased my ability to work under pressure and adapt to unexpected or uncomfortable circumstances.
- Director of Technology at HackConcordia.

Benefits of Co-op

- Application of knowledge acquired in class to real-world situations that have visible impact.
- Invaluable hands-on experience through working and learning in industry.
- Access to advisors and essential resources to strengthen my profile and succeed in securing work terms.
- Helped to build my professional network with different employers in my field.
- Enabled a variety of work experiences, from small to big companies, and from local to international opportunities.
- Helped to discover my career interests to pursue after graduation.



Natural Resources Canada (WORK TERM 1)

Intern Programmer
Varenes, Quebec, Canada

- Programmed and Analyzed AI based building energy management systems
- Usage of Thermodynamic Cycles to analyze building Heating and Cooling
- Conversion of code from MATLAB to C# (Procedural to OOP)
- Implementation of code to Windows Server as a Service to run regularly

Natural Resources Canada (WORK TERM 2)

Intern Programmer
Varenes, Quebec, Canada

- Analyzing buildings to understand the Energy Demands
- Reasoning different inconsistencies and possible faults in the Energy System
- Modelling Power Consumption of Water-to-Air Heat-pumps
- Utilizing Machine Learning and AI methods for better modelling of Heat-pumps

Royal Bank of Canada (WORK TERM 3)

Machine Learning Intern – Entrepreneurial Work Term
Toronto, Ontario, Canada

- Setup document pipeline in Semantic Text Extraction Project
- Used NLTK to create NLP pipeline in a text Parser
- Trained & Tested Supervised Machine Learning models to fit data-set at hand

Experiential Growth

- Began a start-up that helps students have a smooth transition into university
- Being able to bring together two large institutions and work with them to create a new program of Entrepreneurial Work Terms at Concordia.

Benefits of Co-op

- Early exposure to related professional workplaces and communities
- Great opportunity to expand your network
- Learn as much on the field as much in class



Bombardier Inc.

Product Planning and Market Development Internship
Montreal, QC, Canada

- Designed a software solution to automate reporting for sales teams
- Utilized analytics to action data-driven business decisions
- Interviewed, assessed and assisted in hiring new interns
- Provided support to other teams when needed

Air Canada

Business Analyst
Montreal, QC, Canada

- Assisted in developing and executing change management strategies
- Developed a change management tool for the company
- Introduced testing automation to optimize software release tests
- Produced reports and communicated the results using data visualization tools

Air Canada

Artificial Intelligence Transformation Business Analyst
Montreal, QC, Canada

- Lead product life cycle activities from strategic planning to release
- Translated business requirements into technical tasks for development teams
- Supported product managers to ensure timely delivery of releases
- Set up communication channels for projects

Experiential Growth

- Learned about project management
- Developed a broad business acumen
- Gained industry knowledge in aviation, sales, passenger and cargo operations
- Enhanced my communication skills
- Gained several hard skills applicable to my career plan

Benefits of Co-op

- Exposure to industries and new roles
- It allows students to learn while bringing new skills to businesses
- Excellent addition to the CV
- Relationship building and paving the path to full time employment



Scigilian Software Inc.

Full Stack Developer
Montréal, Qc, Canada

- Designed a new module to an existing product using multiple programming paradigms
- Participation in extensive code testing with modern frameworks
- Designed a modern user interface that encompasses multiple features while remaining easy to use
- Organised the work and requirements following the AGILE methodology

Ineat Canada

Backend Developer
Montréal, Qc, Canada

- Worked on API development for a highly configurable project with Spring boot
- Created an internal framework to cut development time of tests
- Developed a Python-based OCR server used to scan incoming documents and extract relevant information
- Created deployment environments for modules to deploy them as micro-services

Microsoft Canada

Software Engineer Intern
Vancouver, BC, Canada

- Designed a web application to encourage employees to share ideas for potential hackathon projects
- Developed features for a highly scalable system with Golang and PostgreSQL
- Oversaw UX/UI development and ensured they followed the current accessibility guidelines
- Participated in the development of CI/CD pipelines and cloud deployment

Experiential Growth

- Learned the best practices in software development
- Improved my problem-solving skills when faced with challenges
- Strengthened my leadership and proficiency when working in teams
- Gained experience throughout the lifecycle of a software project, from creation to hand-off
- Learned multiple modern programming languages and frameworks

Benefits of Co-op

- Allowed me to identify my strengths and weaknesses in a work environment
- Provided me with hands-on experience prior to entering the job market
- Had the opportunity to meet great engineers that inspire me to improve
- Provided me with the chance to discover and narrow my interests in the field
- Helped me gain insight on the current job market and which skills to further develop



BUILDING STACKS

ONBOARDING/SUPPORT – PLATFORM ANALYST

Montréal, QC

- Developed and executed a marketing strategy for residential & commercial spaces
- Performed customer service tasks
- Onboarded new clients to company software
- Conducted lead generations for the Sales Team
- Administered inventory management

MANULIFE INVESTMENT MANAGEMENT

PRODUCT ANALYST – PUBLIC MARKETS

Montréal, QC

- Conducted financial product research
- Provided competitor market research
- Analyzed and documented market trends and news in a weekly newsletter for Executives
- Built a team database plan for the Public Markets division

UPGRADE INC.

FINANCE INTERN

Montréal, QC

- Prepared and reconciled financial reports
- Conducted interest and loan scenario analyses
- Journalized various accounting transactions
- Prepared monthly and quarterly data tapes for an external accounting party

Experiential Growth

- Co-President, John Molson International Committee, John Molson School of Business
- Co-op Mentor, John Molson School of Business
- Participated on an academic exchange to Rouen (France)
- Participated in the Manulife Co-op Innovation Challenge
- VP External, Latin American Student Organization, Concordia

Benefits of Co-op

- Provides opportunity to grow network
- Apply the concepts learned in courses
- Familiarizes students with different roles and industries
- Contributes to personal and professional growth
- Gives the opportunity to determine what roles and industries interest you
- Prepares students to succeed and learn from others by joining the Co-op Mentorship Program

Behaviour Inc.GAME DEVELOPER
Montreal, QC, Canada

- Implemented various dynamic UI features to the game project using C++
- Retraced and fixed semantic errors that were affecting the user experience
- Worked on the back-end side to retrieve different analytical type of data from the game using Node.js to help game designers adjust the game rules

AppDirectBACK-END SOFTWARE DEVELOPER
Montreal, QC, Canada

- Developed encryption mechanism for client type data on the server side
- Designed an admin dashboard page to manage stakeholder accounts using Spring library
- Worked on single sign on (SSO) issues with Kubernetes between different pages of the website

Stingray MusicMOBILE DEVELOPER
Montreal, QC, Canada

- Used Swift to recreate a native version of the Stingray music player
- Worked with Xamarin framework to create common UI and controller interfaces for Android and IOS
- Put in place a crash report metrics system for the mobile's back-end with the integration of the tool Promotheus

Experiential Growth

- Experienced an enhanced environment alongside industry professionals
- Gained independence and self confidence and improved problem solving abilities
- Learned about new and modern tools that are used in contemporary work settings
- Developed communication skills in a cross-cultural environment
- Took accountability and responsibility for products that I designed for clients

Benefits of Co-op

- Have a constant program advisor ready to help and provide assistance with resume
- Provides 1-on-1 mock interview preparation sessions that develop communication skills
- Grants access to an exclusive portal to view different job postings and send applications
- Develops job hunting skills and builds a professional network
- Provides an opportunity to apply theoretical learning in a real life setting





EQUIFAX CANADA CO.

BIG DATA WRANGLER AND ANALYST

Montreal, QC, Canada

- Created efficient algorithms for data preprocessing and manipulation.
- Optimized data pipelines for cloud and distributed computation.
- Ensured data governance through anonymity, encryption and security measures.
- Provided analytical insights and recommendations through data visualization.

BANDSINTOWN INC.

MACHINE LEARNING CONSULTANT

Montreal, QC, Canada

- Identified use cases where Machine Learning could bring value to the company.
- Developed a recommendation system for the Bandsintown App.
- Implemented classification, clustering and anomaly detection ML tools.
- Improved the quality and efficiency of the data pipelines.

INTACT FINANCIAL CORPORATION

DATA SCIENTIST

Montreal, QC, Canada

- Participated in the design, implementation and deployment of complete Machine Learning pipelines.
- Contributed to develop and optimize novel state of the art intelligent algorithms.
- Coordinated the prioritization and distribution of tasks of an interdisciplinary team assisting the Product Owner within an Agile methodology.

Experiential Growth

- Learned good standards of practice for software development and data science.
- Participated in several Hackathons and Kaggle competitions related to Artificial Intelligence.
- Improved my time management, decision-making, problem-solving and analytical skills.
- Discovered new interests and talents that will drive my future career path.
- Had a rewarding positive impact on companies, clients and peers.

Benefits of Co-op

- Acted as company ambassador for the recruitment of future interns.
- Gathered crucial information about the different roles, responsibilities and work environments existing in the industry of my career choice.
- Received key knowledge and support throughout the whole job application process.
- Had access to an immense pool of high quality job offers and the opportunity to secure a job in my field of interest right after graduation.
- Collaborated with diverse teams and top industry experts applying academic knowledge to real world problems, datasets and applications.



Pratt & Whitney Canada

SUPPLY CHAIN AND ADVANCED SOURCING INTERN

Longueuil, QC, Canada

- Supported advanced sourcing team with creation of various ad-hoc analysis that were used in high level meetings
- Reduced hundreds of thousands of dollars of obsolete inventory through leading efforts between multiple internal departments
- Assisted in the supply of technical parts for P&WC's business aircraft engine
- Coordinated with various suppliers to ensure proper receipt of parts on tight deadlines

Canada Steamship Lines (CSL Group)

TRANSPORTATION ANALYST

Montreal, QC, Canada

- Measured travelling time of vessels in the Great Lakes by using sophisticated analytical tools
- Structured and conducted complex analysis in support of the operations team
- Worked on the development of new automated software to calculate and report transit costs in the Great Lakes
- Coordinated with vessel crews, port operations, and suppliers to assist the dispatching team

Business Development Bank of Canada (BDC)

CUSTOMER RELATIONSHIP OFFICER

Montreal, QC, Canada

- Studied and analyzed loan applications from fast growing Montreal-based technology start-ups
- Appraised companies' potential to repay their loans
- Developed a comprehensive knowledge of the functioning of technology companies and software as a service business models
- Monitored data integrity for hundreds of accounts for the province of Quebec

Experiential Growth

- Strengthened my ability to quickly adapt to new and challenging situations
- Developed my analytical skills through practice and difficult data analysis
- Perfected my skills in various business disciplines from working in different fields of business
- Discovered a different culture for four months through the Concordia Study Abroad Program
- Improved my ability to think quickly in high paced and demanding environments
- Worked with a consulting team to develop a marketing initiative for a non-profit organization

Benefits of Co-op

- Opportunity to discover and explore different career paths and business fields
- Tests your theoretical knowledge gained in class and improves upon your practical skills
- Get help from a knowledgeable students through the mentoring program to help prepare for the first work term
- Gain access to many work term opportunities unavailable to non-coop students
- Find your ideal career path and potentially land a job before graduation



AGILENT TECHNOLOGIES

MARKETING INSIDE SALE TEAM MEMBER

Montreal, QC, Canada

- Prepared promotional materials for the spring sale
- Acted as first point of contact for customers
- Communicated with clients to identify business opportunities
- Invited researchers to seminars on techniques and instruments

THE UNIVERSITY OF HONG KONG

VISITING RESEARCH STUDENT

Hong Kong SAR, China

- Investigated the CISS effect with electrochemistry and spectroscopy
- Assisted with the synthesis of organic and inorganic compounds
- Organized research related documentations and lab space
- Attended internal and international research conferences

ENVIRONMENT AND CLIMATE CHANGE CANADA

ASSISTANT EVALUATOR

Gatineau, QC, Canada

- Coordinated within the unit and with other departments
- Regulated the manufacturing or importing of new substances in Canada
- Assessed notified substances for their ecological impacts
- Helped create criteria checklists for OECD test results
- Compiled physicochemical data of compounds for a new computational model

Experiential Growth

- Worked in multiple sectors to diversify my background and enhance my experience
- Gain insight into the business world
- Applied and improved my technical skills in an academic research environment
- Improved communication skills by participating in exchange with colleagues from various fields
- Better able to analyze my strengths and shortcomings for future growth

Benefits of Co-op

- Expand your network through various events
- Discover and explore different fields for the planning and building of your career
- Strengthen your interpersonal and professional skills through work-terms
- Improve your leadership with mentoring
- Work abroad to experience different cultures
- Engaged and caring staff to support students' journey through co-op and work-terms



TURQUOISE TECHNOLOGY SOLUTIONS

SOFTWARE DEVELOPER INTERN

Montreal, Quebec, Canada

- Developed a web application to recommend books and movies
- Designed Recommender system architecture, front-end design in JavaScript and PHP, back-end data handling and retrieval in Python in concert with Amazon Web Services' Product Advertising API and The Movie Database's API
- Designed and implemented database interactions and large-scale data management and interpretation with MySQL and Python

DIFF AGENCY

FRONT-END DEVELOPER INTERN

Montreal, Quebec, Canada

- Developed Shopify-based e-commerce websites for a range of clients
- Created a developer tool using Node to recursively split and recombine Shopify language files
- Worked in an Agile-style development environment
- Gained familiarity with HTML, CSS, JavaScript, Liquid, and Git

AMAZON ROBOTICS

SOFTWARE DEVELOPER INTERN

Toronto, Ontario, Canada

- Designed developer tools and a system for creating new robotic work cells for development and eventual use in Amazon Fulfillment Centers
- Built and organized a registry of robotic microservices
- Experienced a full stack internship -- working primarily in Python, React, and the AWS suite

Experiential Growth

- Developed communication skills and the confidence to advocate for my ideas
- Learned how to self-motivate and organize new tasks/projects in the workplace
- Learned to incorporate feedback and adapt to changing business needs
- Delved into a wide range of tools for a diverse set of uses; was exposed to countless new ideas outside of the classroom
- Held the following positions: Director of Speakers, Logistics Team member, and Concordia Head Delegate at CUSEC (Canadian University Software Engineering Conference – 2018-2020)

Benefits of Co-op

- Built up my confidence in my chosen field
- Was a great first exposure to industry opportunities
- Taught me that it's not a matter of knowing the most programming languages, it's about applying overall concepts and being open to picking up new tools quickly
- Provided the life-changing opportunity to explore different avenues within my chosen field, allowing me to make informed post-graduate decisions



UPS

HUB EXPANSION SPECIALIST

Lachine, QC, Canada

- Supervised and optimized the complete automation of UPS's new sorting system which increased capacity by 300%
- Exercised 100+ stress analysis scenarios on the newly designed automated building
- Worked in a team of 4 interns; reduced cost and increased the productivity of existing buildings and employees

TRU SIMULATION

SUPPLY CHAIN ANALYST

Saint-Laurent, QC, Canada

- Founded and led the first TRU Simulation Intern Committee
- Investigated and mapped out all best practices of the engineering department to standardize them using ERP Infor LN and PowerBI
- Presented bi-weekly to Planning Manager and VP Planning to showcase development in the projects

KPMG

CONSULTANT, MANAGEMENT CONSULTING

Montreal, QC, Canada

- Worked on 6 projects from different practices including Supply Chain, Operations and Technology Consulting
- Supported a large public transportation company in the implementation of SAP Software Solution
- Analyzed data and pulled interesting information by using statistical analysis and Alteryx by gathering 17 KPIs from 14 different companies in order to complete a supply chain maturity assessment for a distribution company

Experiential Growth

- Improved teamwork skills working with highly skilled people in all domains
- Landed internship and full-time offer in highly competitive field
- Vice-President of the Garnet Key Society
- Chair of the Engineering and Computer Science Association (ECA)
- Competed and podiumed in two national case competitions; won over five within Concordia
- Made history by being the first Concordia consulting team to ever qualify for the Canadian Engineering Competition (CEC)

Benefits of Co-op

- Have access to a large bank of job offers with competitive salaries from various employers and support when applying
- Be linked with older students with more experience to help guide you through the co-op process
- Attend relevant workshops on interview skills and exclusive events, info-sessions and networking sessions
- Get hands-on experience in your field of choice and apply classroom knowledge
- Have highly skilled experts review your CV and cover letter



Matrox Electronic Systems (WORK TERM 1)

Human Resource Intern
Dorval, QC, Canada

- Created HR related posts for social media channels, including job postings, events, news flashes, etc.
- Participated in the recruitment process (performed reference checks, onboarding and attended interviews)
- Organized and planned events such as fundraisers, social activities and special projects for 600 employees
- Provided organizational and administrative support to the Human Resources Department

Dassault Systèmes (WORK TERM 2 & 3)

Learning Support Intern
Montreal, QC, Canada

- Organized over 150 training activities throughout North America
- Managed a Learning Management System (LMS): creation of training sessions, verification of enrollment rates, marking of attendances, compilation of evaluations, etc.
- Administered licenses for our eLearning Software, documentation of processes and promotion of our offerings internally
- Planned and executed social events for 100 people to boost and support the organizational culture

Experiential Growth

- Expanded my network with professionals in different industries both within and outside the companies I worked for
- Learned about managing events and projects from beginning to end
- Grew my network by getting involved in company activities and building a rapport with colleagues
- Acquired experience and knowledge in many different HR functions (recruitment, training, benefits, etc.)
- Developed my conflict resolution and communication skills
- Improved my interpersonal skills by working with diverse teams

Benefits of Co-op

- Build a strong professional network early on in order to succeed in future business
- Apply knowledge learned in class to real-life situations on the job
- Able to identify a future career path based on the coop experiences
- Challenge yourself to try new positions and gain experience in different fields or roles
- Gain experience in interviewing and writing resumes and cover letters to prepare for the job market

**BEAUCE ATLAS**

GESTION DE PROJET

Sainte-Marie-de-Beauce, Québec, Canada

- Coordination de la fabrication, de la galvanisation, de la livraison et de l'installation de l'acier de structure aux chantiers en Ontario et aux États-Unis
- Assurer la bonne circulation de l'information dans tous les secteurs des projets
- Répondre aux questions des monteurs d'acier, des ingénieurs et des dessinateurs
- Écrire et transmettre des demandes d'information aux clients pour confirmer des éléments techniques

AXYS CONSULTANTS

CONCEPTION DE STRUCTURE

Sainte-Marie-de-Beauce, Québec, Canada

- Conception de structures d'acier à usage industriel et commercial
- Modification des structures existantes (ex: déplacer ou enlever des colonnes)
- Élaboration de séquences de construction pour guider les entrepreneurs
- Vérification de panneaux architecturaux en béton préfabriqué avec ou sans précontrainte
- Modélisation et analyse de structure avec le logiciel SAFI

EBC INC.

INGÉNIEUR DE CHANTIER

Havre-Saint-Pierre, Québec, Canada

- Responsable du suivi qualité de la compaction du barrage de la Romaine 4
- Documentation et vérification de la compaction en temps réel à l'aide du logiciel SiteVision de Trimble
- Communication quotidienne avec le surintendant, les contremaitres et les opérateurs pour assurer une bonne progression des travaux
- Coordination des informations essentielles au suivi qualité avec le quart de nuit

EXPÉRIENCE ACQUISE

- Apprentissage dans 3 secteurs différents du génie civil (gestion, conception, chantier)
- Développement de mon sens de l'ingénierie
- Évolution de mes compétences de gestion de problème en temps réel
- Amélioration des mes capacités de modélisation et d'analyse de structures par logiciel
- Perfectionnement de mes aptitudes sur Excel
- Progrès de ma capacité à communiquer efficacement

AVANTAGES DU PROGRAMME COOP

- Application des acquis théoriques dans des situations pratiques
- Création d'un réseau de contacts dans mon domaine d'étude
- Aide apportée dans la rédaction du curriculum vitae et des lettres de présentations et pour les pratiques d'entrevues
- Opportunité de compléter un stage à chaque période de l'année (hiver, automne, été)
- Familiarisation avec le processus de recherche d'emploi
- Participation au programme de mentorat



INFORMATIQUE PAREEGH INC.

SOFTWARE DEVELOPER

Montreal, QC, Canada

- Developed a micro service-based application using python and flask framework
- Suggested and Designed complete MySQL database table structures
- Restructured the project for better development and maintenance in future
- Researched and drafted the coding best practices to improve quality code
- Actively participated in design, architectural discussion, development and reviews
- Guided junior interns to speed up the development process

Experiential Growth

- Improved my communication and interpersonal skills to work with diverse team members
- Developed analytical thinking, problem solving skills and ability to pay attention to details
- Greatly improved Python and MySQL skills
- Learned about building a project from scratch
- Expanded my network with professionals

Benefits of Co-op

- Gain hands-on experience in your field of study and explore career options
- Improved interpersonal skills like planning and organizing given task properly
- Challenge yourself to push your boundaries both professionally and personally
- Apply knowledge gained in the classroom to real-life context of working in your preferred field
- Provides excellent networking and career building opportunities



BMO FINANCIAL GROUP

JUNIOR BUSINESS ANALYST

Toronto, ON, Canada

- Managed assigned aspects of the departments Intake and Estimation process for more than 10 internal technology teams
- Provided clarification for project requirements to assist members in the creation of their specific project deliverables
- Participated, coordinated and facilitated in assessment meetings, by interacting and collaborating with team members from various departments
- Consulted and actively worked on projects related to process improvement which reduced redundancy and manual work throughout the department
- Leveraged existing tools by introducing a new estimation solution

MEDISCA PHARMACEUTICALS INC.

ADMIN ASSISTANT/ JUNIOR DATA ANALYST

St. Laurent, QC, Canada

- Analyzed customer data to identify key insights and trends
- Developed data analysis tools to identify any errored or incomplete data
- Developed internal reports to support the sales team for both the sales and education departments
- Maintained and improved existing data analysis tools and reports
- Collaborated with multiple departments to ensure all accounts from all Medisca companies are joined

Experiential Growth

- Learned how to approach problems with an analytical perspective
- Became more confident by actively sharing my opinion, asking why and trying to find alternatives to problems
- Experienced working in fast-paced environment with diverse teams
- Learned new software programs, tools and programming languages
- Vice President of Finance for Concordia's Armenian Student Association for two years

Benefits of Co-op

- Gave me the opportunity to work within different industries and abroad
- Access to resources and support from the department before and during my work terms
- Allowed me to understand which aspect of my major I want to focus on after I graduate
- Allowed me to assist other students as a mentor through the coop mentorship program
- Participated at various networking events and got to share my experience with over 600 students during coop's annual orientation day



Grass Valley

PROCESS ENGINEERING INTERN

Montreal, Quebec, Canada

- Implemented platform for standardizing and digitalizing assembly and packing instructions, while working closely with employees on the production line
- Created and hosted training sessions for shop floor employees in the use of the new platform
- Identified and quantified rejection of certain parts, and standardized the procedure by 3D printing jigs
- Created a standard database regrouping the different tooling needs of each assembly line
- Improved workplace ergonomics by designing a new storage system for jigs of varying weight

Experiential Growth

- Management Consulting Concordia's Co-President; managed team of 13 students
- Organized 100+ person soccer tournament; raised \$500 for Right to Play
- Outreach Coordinator & French Spokesperson for The OR Challenge (TORCH) – a competition for CEGEP and high school students
- Accenture Case Competition – First Place; CIBC National Case Competition – Second Place; EngComm International Case Competition (representing Concordia University) – Finalist
- Obtained Lean Six Sigma Green Belt at Concordia University during summer internship
- Teaching Assistant at Concordia University for two semesters in ENGR 301

Benefits of Co-op

- Provides a structured framework for obtaining an internship and support in every step of the way through workshops, documentation and in-person counseling
- Allows students to transfer theoretical knowledge into real experience
- Offers a glimpse into a potential target industry for the future
- Helps in building connections for the future and understanding for how business is conducted

MATTEL – MEGA BRANDS

ASSOCIÉE AU MARKETING MONDIAL DE LA MARQUE

Montréal, Québec

- Préparer les communiqués et les présentations internes et mondiales
- Effectuer des études de marché et l'analyse des ventes
- Appuyer le développement de déclinaisons marketing
- Soutenir l'équipe des médias sociaux lors de campagnes de lancement de produits

CIRQUE ÉLOIZE

MARKETING NUMÉRIQUE

Montréal, Québec

- Créer, rédiger, diffuser et dynamiser le contenu des réseaux sociaux
- Assurer la gestion des communautés sur les plateformes actives de l'entreprise
- Assurer la mise à jour du site web et des plateformes numériques de l'entreprise
- Participer à l'organisation des événements promotionnels de l'entreprise

LA PETITE TOUCHE

COORDONNATEUR DE PROJET

Montréal, Québec

- Conceptualiser, développer et supporter la réalisation d'événements
- Évaluer les services à promouvoir et offrir des conseils aux clients sur leurs besoins
- Assurer une présence lors des événements et leur bon déroulement
- Aider à l'embauche, la formation et la supervision du personnel de soutien
- Produire différents rapports relatif aux activités événementielles réalisées

Expériences acquises

- Apprendre à développer et à organiser des événements du début à la fin par moi-même
- Améliorer mes compétences interpersonnelles et de communication, ce qui m'a permis de faciliter les relations avec les fournisseurs, les clients, les collègues.
- Apprendre à me fier à mon instinct et à gagner une nouvelle confiance en moi
- Développer de meilleures techniques de gestion du temps et de compétences en matière de résolution de problèmes
- Participer à des activités de bénévolat telles que le bal de la Fondation du CHU Sainte-Justine, la visite de l'usine de Noël de Mega Brands et le *Concordia's Christmas for a cause: Santa Supply Chain*

Avantages du programme COOP

- Avoir un aperçu des différentes options de carrière et des secteurs d'activités disponibles dans votre domaine d'études
- Acquérir une expérience pratique en explorant différentes professions et apprendre à s'adapter à différents environnements de travail
- Élargir votre réseau en établissant des relations durables avec vos collègues et vos fournisseurs
- Appliquer les notions théoriques apprises en classe dans des environnements de travail réels
- Avoir accès aux membres dévoués de l'équipe Coop pour vous aider à chaque étape de votre processus d'embauche (recherche de stage, conseils pour la rédaction de votre CV et lettre de motivation, simulations d'entretiens, etc.)





Klox Technologies Inc.

Research Technician

Laval, QC, Canada

- Planned and participated in the Gene expression project at the 2019 SPIE
- Provided evidence of molecular response to skin regenerating technology
- Optimized lab techniques such as RNA extraction to increase product yield
- Analyzed in vitro gene expression data using qPCR and in vitro protein expression data using ELISA
- Summarized details and results of research in experimental report

Universität Duisburg-Essen, RISE DAAD

Research Assistant

Essen, NRW, Germany

- Led experimental research on the implication of the membrane protein Caveolin-1 in radiation resistance of prostate cancer cells
- Combined complex laboratory techniques such as immunofluorescence and Western blotting as part of multiple experiments
- Co-authored a research paper on the regulation of the ASMase/Ceramide radiation-response of endothelial cells by Caveolin-1 in the context of tumor-stroma interactions
- Learned to use various data analysis and presentation softwares

Health Canada

Junior Inspector, Consumer Product Safety Program

Longueuil, QC, Canada

- Investigated customs entries of cosmetic or consumer products for their compliance to the Canadian regulations
- Provided education on Canadian laws & regulations involving consumer products
- Participated in recall monitoring and cyclical enforcement inspections

Experiential Growth

- Challenged myself to get out of my comfort zone and discover new environments
- Experienced working in industrial and academic research settings
- Contributed to the writing of a manuscript during my undergraduate studies
- Improved my interpersonal and scientific communication skills in professional contexts
- Discovered and developed my passion for biomedical research
- Expanded my professional network overseas providing for more opportunities for graduate studies

Benefits of Co-op

- Consolidate knowledge and aptitudes gained in the classroom in a real-life working context
- Gain an insight of the work force in your field of study
- Build trusting relationships with companies for possible future employment
- Travel abroad and discover new working environments and ways of living
- Learn and practice resume and cover letter writing as well as interview skills
- Support throughout the preparation for the job application process



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