

Job description

CANADA EXCELLENCE RESEARCH CHAIR IN SMART,
SUSTAINABLE, AND RESILIENT COMMUNITIES AND CITIES

DEPARTMENT OF BUILDING, CIVIL AND ENVIRONMENTAL
ENGINEERING

RESEARCH ASSISTANT

Posting period: from April 11, 2022 to April 20, 2022

Start date: May 2, 2022

End date: August 31, 2022

Work hours: 35 hours per week (undergraduate summer internship)

Supervisor: Dr. Ursula Eicker

Responsibilities

- Research on 3D world navigation and 3D user interface development.
- Collaborate with programmers to share and assign coding tasks.
- Translate design ideas into clean and efficient code.
- Real-world behaviours of objects and systems based on simulation calculations.
- Audio-visual feedback systems and displays.

Requirements

- A preferred candidate is currently a student in computer science, electrical engineering, or other programming-oriented majors.
- Be comfortable with a range of languages and open-source tools and frameworks and make good decisions about which to use to solve a particular problem.
- Have flexibility to work on the team's most pressing problems.

- Preferred candidates will have strong problem solving and creativity skills coupled with knowledge of current technologies used commonly for the topics above.
- Ability to work in a team with diverse backgrounds and regular meetings, deadlines, and close supervision.
- Good knowledge (Level 4) of spoken and written English.

Salary

PhD Student: \$30 / hr

Master Student: \$23 / hr

Undergraduate Student: \$18 / hr

Union/Association

TRAC

Interested applicants must submit a curriculum vitae with a cover letter and portfolio to cerc@concordia.ca.

IMPORTANT: The interview will consist of an introductory meeting followed by a technical hands-on coding session.

Concordia University is committed to Employment Equity and encourages applications from women, Aboriginal Peoples, visible minorities, ethnic minorities, and persons with disabilities.