Michael Drill
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EDUCATION

Bachelor of Engineering, Computers   DATE
Concordia University, Montreal, QC

Diploma of Collegial Studies, Pure and Applied Sciences   DATE
Dawson College, Montreal, QC

TECHNICAL / COMPUTER SKILLS

Languages: C, C++, Visual C++ (MFC), SDL, VHDL, Tcl&Tk, UML, Intel xS6 Assembler, MC68000 Assembler, Java
Environments: Xwindows, Linux, WindowsNT/2000/9x/ME, Solaris, Mac OS
CAD: VHDL (Synopsys Design Analyzer, Design Compiler), FPGA(Xilinx Design Manager), Analog (Analog Workbench), SPICE, Cadence Analog Artist
Lab Equipment: Hewlett Packard Logic Analyzer, Tektronix Oscilloscope
Additional: OpenGL, Soft/Win Ice, Driver Development (Win 2K, NT and Linux), AGP 2.0 & PCI 2.2/ PCI BIOS Specifications, Sockets Programming (TCIP/IP), Video

CAREER RELATED EXPERIENCE

Systems Programmer   DATE
Merck Frosst, Montreal, QC
• Developed hardware diagnostic tools for End-User and OEM use
• Customized "in-house" debugging tools
• Conducted analysis of OEM reported failures and issues
• Developed and supported SDKs for multimedia products

Technical Support Representative   DATE
Merck Frosst, Montreal, QC
• Responded to End-User problems and concerns over telephone and e-mail
• Implemented a reproduction & front line trouble shooting program

Director of Computer Activities   DATE
Vanier College Computer Camp, Montreal, QC
• Ensured smooth day to day operation of computer learning programme, consisting of 94 campers and 14 staff members
• Hired and trained camp instructors, handled programme development and purchasing

ACADEMIC PROJECTS & COURSE WORK

Avionic Navigation Systems
• Covered basic flight instruments (basic-six), short-range navigational systems (VOR, DME), long-range navigational systems (GPS, Omega, INS, Doppler), and approach systems (ILS, MLS, PAR)
• Discussed ATC methods and air-borne radar systems (GPWS, TCAS, weather radar and radar altimeter)

Real Time Systems Design
• Discussed real-time scheduling, multi-threaded programming issues and embedded systems
• Implemented a real-time train traffic control system under QNX

Systems Software Design
• Discussed file-systems, memory management, process scheduling and synchronization, kernel design and device drivers for several Unix variants

Video Card Hardware Diagnostic
• Designed and implemented a cross platform (NT/2K/98) diagnostic for testing the BIOS, frame buffer and graphics engine of the G-series of MGA video cards

EXTRA-CURRICULAR ACTIVITIES

Marketing Director   DATE
Engineering and Computer Science Student Association (ECA)
Concordia University, Montreal,QC

Vice-President Academic   DATE
Engineering and Computer Science Student Association (ECA)
Concordia University, Montreal, QC

Systems Administrator   DATE
Engineering and Computer Science Student Association (ECA)
Concordia University, Montreal, QC

AWARDS

Outstanding Contribution to Student Life - Concordia University   DATE

HOBBIES

Popular Science magazine, new software, basketball, camping and restoring classic automobiles

REFERENCES AVAILABLE UPON REQUEST