Peter Baldwin
3B Software Engineering
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SKILLS SUMMARY

- **Well-developed computer skills** in a number of areas, with **exceptional programming ability** in a variety of different languages
- Exceptional analytical and **problem-solving skills**, proven in both work and study
- **Excellent time management** and **organizational skills**
- **Constructive team member** and **hard-working individual** with good communication and interpersonal skills

COMPUTER SKILLS

- **Programming Experience:**
  - Expertise in **Java** and **C/C++**
  - Proficient using **Python**, **SQL**, **Visual Basic**, and **Perl**
  - Comfortable with both object-oriented and procedural programming
  - Excellent knowledge of **socket programming** with TCP/UDP
  - Experience developing **embedded** software using MIDP/CLDC
- **Software & Operating Systems:**
  - Extensive knowledge of **UNIX** operating systems including **Solaris** and various **Linux** distributions
  - Well-acquainted with Microsoft **Windows 9x/NT/2000/XP** operating systems
  - Eclipse, Visual Studio, and Microsoft Office

WORK EXPERIENCE

Software Designer
Research In Motion, Mississauga, Ontario
May 2005 - August 2005

- independently designed and implemented an extension to the BlackBerry simulator to allow advanced playback control of multimedia content using **C++** and wxWidgets
- developed software for theming the BlackBerry interface using **Microsoft Visual C++** and **MFC**
- created advanced build scripts using Apache Ant

Software Designer
Research In Motion, Mississauga, Ontario
September 2004 - December 2004

- developed tools for transcoding scalable vector graphics (SVG) using **Java** and **Eclipse**
- wrote **multithreaded** software modules for the BlackBerry device containing both TCP and UDP network communication using Java 2 Micro Edition

Software Developer
Hydro One, Rexdale, Ontario

January 2004 - April 2004

○ developed scripts and tools in **Perl** and **Java** to help maintain interactive **computer displays that are used to control Ontario's power grid**
○ worked **independently** with **limited supervision**
○ completed a **major project** for checking display connectivity using **image recognition**
○ provided **comprehensive documentation** for all software that was developed

Graphical User Interface Designer
Hydro One, Rexdale, Ontario

May 2003 - August 2003

○ built and maintained interactive computer displays that are used to operate Hydro One's power transmission network
○ worked on a **team** of five students
○ developed a **powerful new set of display building tools** using **Java**, which included a full **graphical user interface**

Web Developer
Self-employed

January 2001 - October 2003

○ developed twelve customized, **multimedia Java Applets** for clients from around the globe
○ designed and built two complete small business **web sites**

EDUCATION

Candidate for Bachelor of Software Engineering, University of Waterloo
Waterloo, Ontario

September 2002 - Present

Ranking

Term 1A: 15th of 104 *(90.5% GPA)*   **Term 1B:** 2nd decile *(87.8% GPA)*

Term 2A: 1st decile *(91.6% GPA)*   **Term 2B:** 2nd decile *(84.6% GPA)*

Term 3A: 1st decile *(89.6% GPA)*

Awards
Four-time **Dean's Honour List** recipient for a **Term Average exceeding 87%**

OSSD, Port Perry High School
Port Perry, Ontario

September 1998 - June 2002

Awards
Graduated one year early with the **highest OAC average (94.5%)**, **Governor General's Academic Medal**, A.B. Cawker Trophy for **Highest standing in four OAC subjects**, Port Perry High School Honour Graduation Scholarship, Medical Associates of Port Perry Excellence Award, Reunion Alumni Scholarship for Math & Science, Descartes Mathematics Competition **School Champion**, Euclid Mathematics Competition **School Champion**

ACTIVITIES & INTERESTS

○ Participated in the award-winning Shad Valley program for science, technology, and entrepreneurship at Carleton University in 2002
○ Active member of Arch Linux user community
○ **Open source** software author and contributor
○ Professional Engineers Ontario Student Member
○ Play **piano** and **guitar**, and listen to a variety of musical styles
○ Participate in **fitness** and **weight training** activities