

Christopher Ing

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Education

University of Waterloo

Sept 2004 - Present

Candidate for Bachelor of Science.

- Honours Computational Science Specialization in Physics. Minor in Computer Science.

Experience

Cardiac Imaging Group, Sunnybrook Hospital

Sept 2007 - Dec 2007

- Enriched functionality of a large C++ project for real-time MRI imaging by adding multi-slice support.
- Developed on Linux platform with open-source tools such as Eclipse, Bugzilla, CVS, and GDB.
- Fabricated imaging catheters from Matlab designs and MR compatible phantom for testing software.

Bioinformatics Group, Microarray Center

Sept 2006-April 2007

- Developed Monte Carlo-based application in C# for visualizing gene ontology in expression data sets.
- Regularly programmed custom Perl scripts for sequence alignment, annotation of genes, and more.
- Implemented microRNA database schema for use on MySQL Apple Xserve back-end.

National Lab for Environmental Testing, CCIW

Jan 2006-April 2006

- Digitized all record keeping of incoming and outgoing solutions with Microsoft Access.
- Gained full project cycle experience from planning to deployment, with multiple revisions.

Ecological Monitoring and Assessment Net., CCIW

Jan 2006-Present

- Maintains bilingual content for ecological monitoring website.

Skills

- Implemented computer science concepts in **C++**, **C#**, **Java**, **Perl**, **Python**, and web languages.
- Commercial math software (**Maple**, **Mathematica**, and **MatLab**) used academically and professionally.
- Diverse laboratory experience through courses in Electronics, Optics, Geology, and Chemistry.
- Design of logos, digital and print media in **Photoshop**, **Illustrator** for Waterloo Tennis Club, more.
- Adept at networking and maintaining **Linux**, **Mac OSX**, and **Windows 95-Vista** systems.
- Knowledge of database driven website development to front-end **PHP** programming for personal sites.
- Experience presenting research projects to technical and non-technical audiences.

References

- Available upon request