Eric Jalbert *September 1, 1992*

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ericmjalbert@gmail.com • 226-203-0711 • 497 Scottsdale Dr., Guelph, ON, N1G 2W6

Summary

- *Scientific programmer possessing strong knowledge of C, Python, Fortran, and Java programming languages*
- *Can quickly master new software packages and hardware technologies*
- *Always looking to learn new techniques and skills*

Experience

University of Guelph — Guelph, Ontario

Computational Biomathematics Researcher — *May '12 – present*

- Conducted research under the supervision of Dr. Hermann Eberl
- Learned how to apply numerical methods to solve mathematical models for biofilm development
- Developed skills in C and Python while programming different software for scientific inquiries

Tutor — *Sept '10 – present*

- Tutored over 30 student in Computer Science and Mathematics
- Helped them to comprehend complex course material but relating it to simpler examples
- Created example problems for students practice

Education

University of Guelph — Guelph, Ontario

Master of Science, Applied Mathematics — *2014 – present*

- Programmed in Fortran, C, and Python to solve large Biomathematics problems
- Implemented parallel programming with OpenMP
- Used SHARCNET for serial farming.

Bachelor of Science, Mathematics — *2010 – 2014*

- Finished a semester early by taking 120% course load
- Graduated with distinction (above 80% GPA)
- Completed many Computer Science courses

Skills

Technical expertise:

- C
- Python
- Java
- LaTeX
- BASH
- Linux
- Javascript
- Data Mining
- Portable code writer

Work Skills:

- Well Organized
- Outstanding interpersonal skills
- Quick learner
- Able to work independently
- Advanced critical thinking
- Superior time management
- Project Planning

Accomplishments

- Used evolutionary algorithms to create procedurally generated music
- Published research on newly developed numerical method to professional journal
- Developed density-dependent traffic flow model for course presentation