ERIC M. JALBERT

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Summary

Scientific programmer possessing strong knowledge of C, Python, Fortran, and Java Programming languages. Can quickly master new software packages and hardware technologies. Eager to learn new methods and skills

Skills

C	Python	Java
Fortran	R	shiny
Markdown	Latex	BASH
Linux	Windows XP/7	Data Mining
Portable code writer	Github	Well organized
Outstanding interpersonal skills	Quick learner	Able to work independently
Advanced critical thinking	Superior time management	Project planning

Experience

University of Guelph

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, Python, and Fortran while programming different softwares for scientific inquiries

Tutor

Sept '10 - Apr '15

Tutored over 30 students in Computer Science and Math	Helped to students comprehend complex course material	Created example problems for students practice

Education

University of Guelph

Master of Science, Applied Mathematics

Jan '14 - 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, Mathemtics

Sept '10 - Feb '14

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

Accomplishments

Published research on newly developed numerical method to professional journal	Finished four year B.Sc. a semester early, while doing the above research	Developed density-dependent traffic flow model for course presentation
Completed nine month-long Data Science Specialization courses in one month	Used evolutionary algorithms to create procedurally generated music	Self-taught all programming skills except C