

Aaron Germuth

Website: www.germuth.me Email: germuth@unbc.ca

Education

University of Northern British Columbia (September 2010 – Present)

- Pursuing Honours in Biochemistry and Computer Science
- Member of International Golden Key Honour Society
- Cumulative GPA: 3.7 out of 4.0

Work Experience

Prince Rupert Grain Ltd. (May 2014/5 – August 2014/5)

- Created invoicing application for billing of customers, currently in production
- Managed accompanying Oracle database
- Objective Pascal, Crystal Reports, Report Builder, PL/SQL

Business Intelligence Research Group (January 2013 – Present)

- Creating and maintaining software for secure mobile communication and distributed load balancing
- Co-published a journal article in IEEE CIT2013, “Dynamic Load Balancing in Real-Time Distributed Transaction Processing”
- Java, SQLite, and Android

NSERC USRA Research Grant (May 2013 – August 2013)

- Created genetic algorithm which searched through natural molecules looking for ones to be used in molecular electronics
- Published a journal article at NANOARCH 2015, “From Kekule Cells to Molecular Switches”

Projects (see www.germuth.me)

3D Protein Folding

- Multi-threaded application using genetic algorithm to estimate the most thermodynamically stable structure
- Presented work at RiboWest 2013 conference

ACM International Collegiate Programming Contest

- Maintain database of personal solutions and algorithms towards practice problems, focusing on readability as well as speed
- Attended ACM ICPC Pacific North-West Regionals for 2012 - 2014, placing 8th out of 42 teams including Stanford and Berkeley

Puzzled: Android App

- Open source rubik's cube simulator designed for ease of use
- Android, OpenGL and Google Charts