

# Aaron Germuth

51 Yukon Street, Kitimat, B.C, V8C 1Z3  
Tel: (250) 617-9955 Email: [germuth@unbc.ca](mailto:germuth@unbc.ca)

---

## Education

University of Northern British Columbia (September 2010 – Present)

- Pursuing Bachelors 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 – August 2014)

- 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)

- UNBC Computer Science Lab lead by Dr. Waqar Haque
- 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)

- Worked under Dr. Alex Aravind of UNBC, researched and built software for molecular circuitry through Kekulé Cells

## Projects (see [www.germuth.me](http://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