

RUTH GRACE WONG

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EDUCATION

Masters of Science	Computational Biochemistry, University of Western Ontario Researching gut microbiota and non alcoholic fatty liver disease expected to graduate in April 2016
Bachelor of Medical Science	Computational Biochemistry, University of Western Ontario Dean's Honors List, Western Gold Medal, 2014

SKILLS

Programming and Scripting	Java, R, Python, C++, JavaScript, MatLab, LaTeX, Bash, Perl
Relevant Courses	Data Structures, Analysis of Algorithms, Software Engineering Software Tools and Systems Programming, Discrete Math

PROJECTS

MedSavant pathway view	Displays biological processes affected by genetic variants. Project hosted by Google Summer of Code.
Guava	Genomic, User-Accessible Variant Annotation. Scalable, secure, open source API. Hack the North winner.
Hack Western	Ran and raised funding for a 300 student, 36 hour hackathon.

EXPERIENCE

Software Engineer (Site Reliability) Intern - Google NYC
May 2015 - August 2015

- Implemented monitoring for segments in cloud storage.

RezNet Coordinator - University of Western Ontario
September 2011 - April 2014

- Provided internet support to students throughout the year. Involved in hiring and training.

Summer Lab Assistant - Egan Lab, SickKids Hospital, University of Toronto
October 2009 - August 2012

- Conducted experiments involving mouse autopsies, sequencing, and tumor classification.
- Part-authored two papers published in Cancer Research.

Research Assistant - Grahn Lab and Pirouz Lab, University of Western Ontario
October 2011 - April 2013

- Wrote E-Basic script in E-Prime to research gambling, music, and prosocial behavior
- Generated stimuli in MatLab, wrote E-basic script for user-conditioned experiments

ACM International Collegiate Programming Contest - University of Western Ontario
September 2010 - November 2014

- Competed from 2010 to 2013, coding in Java. Coached in 2014.