

Donglin Jia

University of Waterloo

Computer Science (3A)

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Summary of Qualifications

- Intermediate in C, Racket
- Exposure to C++, HTML, Bash, Java, Latex, Jenkins, Selenium
- Strong in problem solving and time management skills
- Positive attitude, hard-working, enjoy collaborating as well as working independently

Education:

- Candidate for Bachelor of Mathematics, Honours Computer Science, University of Waterloo, ON, September 2017 - present
- Relevant coursework: Algorithm Designed, Operating System, Object-Oriented software development—C++

Awards:

- 2017 Euclid Mathematic Contest – Scored in the top 1.3% worldwide
- 2017 University of Waterloo Math Faculty Scholarship

Experience:

Technical Systems Analyst, Royal Bank of Canada | Toronto, Canada | September 2018 – December 2018

- Worked in a group of 12 developers in RBC Capital Markets Technology
- Optimized existing testing framework and successfully accelerated testing speed by 17%; Resolved lasting Dependency issues
- Designed and developed testing framework by using Selenium and Cucumber for offspring trading applications
- Communicated and worked with various groups to resolve both known and unexpected issues

Hacker, ENGHACK | Waterloo, Canada | May 2018

- Worked in a group of four to design and develop an Android Application in 20 hours for user to learn English by using Java and Android SDK tools
- Designed GUI and learned API

Leader, International Student Club | Toronto, Canada | September 2016 – June 2017

- Managed a club of over 150 members from various backgrounds
- Organized cultural based activities and orientation for the new members' transition
- Built club website to serve future international students

Relevant Projects:

WLP4 Compiler | C++

- Constructed a compiler for a subset of C++ (WLP4)
- Developed the compiling procedures from SCANNING, PHARSING, TYPE-CHECKING, MIPS CODE GENERATING
- Completed all the functionalities of WLP4 Compiler that is able to catch all existing errors when compiling a WLP4 program

Personal Website | HTML CSS JavaScript

- Developed personal website for study purpose
- Listed partial knowledge from the current and previous academic term

Student Information Enrollment Project | C++

- Built a system to manage student record files more readily
- Be able to create and name new folders and files by user input; Search, delete and open certain file depends on user input

Matrix Calculator | C++

- Constructed a calculator that computes basic matrix calculation, matrix-matrix multiplication, matrix-matrix subtract, matrix-matrix adding, and row-reduction, for users' convenience