

# Danliang Wang

<http://www.danliang.tk>

Expected Graduation : Aug 2019

Email : [d267wang@uwaterloo.ca](mailto:d267wang@uwaterloo.ca)

Mobile : +1-780-863-6788

Availability : 8 months preferred

## PROGRAMMING SKILLS

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- **Languages:** Java, C, C++, Python, SQL, Bash, Javascript, MIPS Assembly
- **Technologies:** Android, REST, AngularJS, Git, Perforce, Agile, GDB
- **Interests:** Software Engineering, Machine Learning, DevOps

## EDUCATION

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- **University of Waterloo** Waterloo, ON  
*Candidate for Bachelor of Computer Science, Honours, Business Option; GPA: 4.00* *Sep 2015 – Ongoing*

## EXPERIENCE

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- **Intel Corporation** Toronto, ON  
*Software Engineering Intern* *Jan 2018 - Apr 2018*
  - Implemented multiple compiler optimization passes that accelerate CNN workloads for image recognition: average pool pass, padding pass, etc., for Intel Deep Learning Accelerator Ahead-of-Time Compiler
  - Created unit tests for multiple compiler optimization passes by defining Caffe Nets with protocol buffer
  - Used: C++, CNN, Perforce, Protocol Buffers, Python, Google Test
- **BlackBerry** Mississauga, ON  
*Software Development Student* *May 2017 - Aug 2017*
  - Prototyped and developed cloud backup and restore feature for BlackBerry Password Keeper
  - Developed background events tracking feature for BlackBerry DTEK
  - Integrated AMap API into BlackBerry DTEK to track event locations in China
  - Developed save, quick settings, edit, RTL features for BlackBerry Notable
  - Fixed multiple tricky bugs for existing features in BlackBerry Android Apps
  - Used: Java, Git, Jira, SQLite, Drive API for Android, AMap API, Android Studio
- **Ericsson(ZCOM)** Mississauga, ON  
*Software Integration and Development* *Sep 2016 - Dec 2016*
  - Customized a JavaScript rule engine to generate relationships among XML files
  - Created a Web App to parse certain REST requests
  - Used: NodeJS, AngularJS, Bootstrap, REST, XML
- **SynMatrix360** Waterloo, ON  
*Software Consultant* *Feb 2018 - Present*
  - Developed Intelligent Tuning page for a cloud-based microwave filter design web app
  - Developed algorithms to automatically determine margins for return loss, insertion loss, group delay specifications to aid RF engineers meet thermal shift requirements
  - Used: AngularJS, Bootstrap, Highcharts, LESS

## PROJECTS

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- **Lunar Lander:**
  - A game in which a player attempts to land a lunar landing module safely on the Moon
  - Enabled users to edit terrain with direct manipulation and the ability to undo/redo edits
  - Used: Java, Swing, Direct Manipulation, Undoable Edits, MVC
- **Simple Drawing:**
  - A drawing application that supports drawing and manipulating strokes
  - Enabled users to scale, rotate, duplicate, delete strokes as well as make color and line thickness changes
  - Used: Java, Swing, Hit-testing, MVC
- **Simon:** An Android version of the Simon game that supports multiple difficulty levels and different number of buttons