



EDUCATION

UNIVERSITY OF WATERLOO
CANDIDATE FOR
BACHELOR OF COMPUTER SCIENCE
4B Co-op | Expected Grad. June 2018

COURSEWORK

UNDERGRADUATE

Complete

Algorithms
Artificial Intelligence
Computer Networks
Concurrent & Parallel Programming
Database Management
Data Structure
Functional Programs
Object Oriented Programming
Operating Systems
Sequential Programs (Toy Compiler)
User Interface

Ongoing

Computer Security and Privacy
Distributed Systems

SKILLS SUMMARY

PROGRAMMING

Backend

Golang • Ruby on Rails • Node JS

Frontend

Javascript • React JS + Redux

Mobile

Java • Swift • React Native

Others

DB • Version Control • Cloud • Docker

Academically Used

C • C++ • Python

INTERESTS

Scalability • Docker
AI • Machine Learning
Natural Language • Autonomous Car

EXPERIENCE

SALESFORCE | SOFTWARE ENGINEER, INFRASTRUCTURE, CO-OP
Winter 2017 (4 months) | San Francisco, CA

ACL Management Portal, Software Defined Security (*Golang, React + Redux*)

- Developed a system to simplify and automate ACL request process
- Improved the total process time from a few weeks to 30 minutes at most
- Deployed its backend service into production with test coverage above 80%
- Developed a single entry point UI to go through the process

THE WHALE GAMES | SOFTWARE ENGINEER, MOBILE, INTERN

Summer 2016 (4 months) | Seoul, Korea

Battle Comics **Android** Platform (A digital comics service and SNS platform) (*Java*)

- Refactored unorganized codebase to a clean MVVM architecture

Battle Comics **iOS** Platform (*Swift*)

- Implemented new features and design for settings & sign-in / sign-up flows
- Developed testing environment that covers model and networking layer
- Reduced build time for the project from approx. 350 seconds to 290 seconds

Battle Comics **Facebook Chat Bot** (*Node & ES6*)

- Developed a FB chat bot prototype that integrates comic service API

JEWLR | SOFTWARE ENGINEER, FULL-STACK, CO-OP

Summer 2015 (4 months) | Toronto, ON, Canada

Jewlr (A personalized jewelry e-commerce website) (*JavaScript, HTML, CSS*)

- Developed a CLI tool to import product lists from Google Spreadsheet
- Implemented new features and design for the Home page

Jewlr Admin (*Ruby on Rails, JavaScript, HTML, CSS*)

- Developed a RESTful API server with OAuth that provides user information
- Developed various internal data generating/querying tools for management
- Integrated 3rd party APIs for customer service & inventory management

BLACKBERRY | SOFTWARE TEST ASSOCIATE, CO-OP

Winter & Fall 2014 (8 months) | Mississauga & Waterloo, ON, Canada

BES12 (A Multi-OS Mobile Device Management Software)

PROJECT

WATERLOO CARPOOL | IOS & WEB DEVELOPER

Summer 2015 (4 months) | Toronto, ON, Canada

- Led development of a carpool platform from planning business logic & deciding tech stack to designing & prototyping with **Haejung Choi** and **Brandon Lee**
- iOS: **React Native** | Web: Angular, Node.js | Backend: Parse

PORTFOLIO | WILLDSO.COM

- Showcase for many other projects and coursework including **OS161**, **Fotag Mobile**, **Doodle**, **Candy Crush Saga**, **Breakout** and more