



Will D. Son

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EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE

4A Co-op | Fall 2011 - Present

Transferred into CS in Winter 2015

Expected to graduate in December 2017

COURSEWORK

UNDERGRADUATE

Complete

Algorithms

Database Management

Data Structure

Functional Programs

Object Oriented Programming

Operating Systems

Sequential Programs (Toy Compiler)

User Interface

Ongoing

Artificial Intelligence

Computer Networks

Concurrent & Parallel Programming

SKILLS

PROGRAMMING

Over 5000 lines

C++ • Java • Swift

Over 1000 lines

Ruby • JavaScript • CSS

C • Scheme/Racket

Matlab • \LaTeX

Under 1000 lines

Bash • Python

Familiar

Android • Android Studio

iOS • IB • Auto Layout • Xcode Server

Web • Ruby on Rails • Node.js

SQL

Git • SVN

LINKS

Github:// [dongwoo1005](#)

LinkedIn:// [dongwoo1005](#)

EXPERIENCE

THE WHALE GAMES | SOFTWARE ENGINEER, 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
- Applied useful libraries for DI, HTTP client and reactive programming

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

- Implemented new features and design for settings & sign-in / sign-up flows
- Reduced time to build the project from approx. 350 seconds to 250 seconds
- Developed **unit testing** suite for the model and networking layer and set up **CI**

Self-Directed Side Project (*Node & ES6*)

- Developed **Facebook Chat Bot** client prototype just for fun during weekends

JEWLRL | SOFTWARE ENGINEER, CO-OP

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

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

- Implemented new features and design for the Home page
- Optimized CSS rendering for mobile performance
- Developed a CLI to import from Google Spreadsheet in a single command line

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

- Developed **OAuth server** and **RESTful API** for user information
- Developed various internal data generator **web applications** that query DB
- Integrated an API to dynamically generate & print product labels with barcodes

BLACKBERRY | SOFTWARE TEST ASSOCIATE, CO-OP

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

BES12 (A Multi-OS Mobile Device Management Software)

- Developed and executed test scenarios
- Identified defects through manipulating & querying DB and analyzing logs
- Logged defects to Jira and verified fixes

PROJECTS

WATERLOO CARPOOL | PRODUCT MANAGER, 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 & Express, backend: Parse, Firebase

PORTFOLIO

Just updated | Waterloo, ON, Canada

- [willdson.com](#)
- Showcase for many other projects and coursework including **Fotag**, **FotagMobile**, **Doodle**, **Candy Crush Saga**, **Breakout** and more