

EMPLOYMENT

Full Stack Developer **Jewlr** **Summer 2015 (4 months)**

- Implemented main home page (<https://www.jewlr.com>) including navigator, footer, grids and mobile view.
- Converted Twitter Bootstrap to Yahoo PureCSS for mobile performance optimization.
- API Integration: Salesforce Desk, Keen IO, Google Content API for Shopping and QZ tray.
- Developed OAuth provider and Restful API to allow main website to access user info from admin website.
- Developed various report generator to analyze and manage sale/revenue, SKU/inventory and promotional coupons for internal management.
- Skills Used: Ruby on Rails, JavaScript, jQuery, HTML5, CSS3, SCSS, Twitter Bootstrap, Yahoo PureCSS and SQL

Software Test Associate, Co-op **Blackberry** **Winter, Fall 2014 (8 months)**

- Dedicated myself to the launch of the bug-free software BES12.
- Key responsibilities: Developing and executing test cases, logging defects and verifying the fixes.
- Worked in the Agile (scrum) development process.

Junior Software Engineer **Synopex** **Winter 2013 (4 months)**

- Key responsibilities: Analyzed the codes for gesture motion sensor from the third party company, maintained the documentation of software changes, presented the researches of gesture motion sensor technology, and analyzed the data of failure rate for finished products, in-process materials, and raw materials.

EDUCATION

Waterloo, ON **University of Waterloo** **Fall 2011 – Present**

- Enrolled in Bachelor of Computer Science.
- Undergraduate Coursework: User Interface, Database Management, Operating System, Algorithm, Data Structure & Data Management, Foundations of Sequential Programs, Numerical Computation, Object-Oriented Software Development, Computer Organization & Design, Logic and Computation

TECHNICAL EXPERIENCE

Projects

- **Waterloo Carpool** (May 2015 – Sept 2015). Carpool application to make carpool easy for both drivers and passengers, inspired by Carpool group pages in Facebook. Used React Native for iOS, Angular for Web, Parse, and Firebase.
- **Swing Applications** (Winter 2016). Breakout, Doodle, Fotag with MVC design. Details on Github.
- **Fotag Mobile** (Winter 2016). Android version of the image rating application Fotag.
- **Square Swapper 5000** (Winter 2015). Match-three style puzzle game like Candy Crush Saga running on Linux. Used C++, X11 with OOP design patterns.
- **Flood It** (Winter 2015). Replication of the game [Flood-It](#). Used C++, X11 with OOP design patterns.
- **Personal Portfolio Website** (Winter 2015). <http://dongwoo1005.github.io/>

LANGUAGES AND TECHNOLOGIES

- Proficient in C, C++, Java, Ruby, Bash, Python, MATLAB, Scheme/Racket
- **Front-end:** HTML5, CSS3, JavaScript, jQuery, React JS, Angular JS
- **Back-end:** Ruby on Rails, Node JS
- **Mobile:** React Native, Android
- **DB:** MySQL, MS-SQL, PostgreSQL, MongoDB, Parse, Firebase
- **Source/Version Control:** Git and Subversion
- **IDE/Text editor:** IntelliJ, Android Studio, Vim, Sublime Text, Atom, Cloud9 IDE and MS Visual Studio
- **Others:** Working knowledge of Jira, Jenkins, Slack, Trello, Heroku, designing UML, code management and test automation, various design patterns