KAYCI WANG
YEAR 3, COMPUTER SCIENCE MAJOR
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WORK EXPERIENCE

Full Stack Software Developer Co-op — *Evident Point*   Jan. 2018–Present
- Fixed UI and server bugs, and implemented new functionalities for an interactive PDF/ePub reader created with Ruby on Rails and JavaScript
- Planned and implemented both front-end and back-end of a generic pop-up system for advertising clients
- Used rake to automate tasks
- Worked on styling, testing and fixing UI bugs for Android mobile client of the reader

Teaching Assistant — *UBC CS Department*   May. 2017–June. 2017
- Monitored one laboratory with 20 students for CPSC121 (Models of Computation)
- Worked with two other TAs to help students understand the course material
- Held office hours, and marked midterms

ACADEMIC PROJECTS

Kingdom of Zed Puzzle Solver—(*Haskell)*   Nov. 2017
- Implemented a solver that uses DFS with backtracking search for a puzzle similar to Sudoku
- Modified the algorithm to solve a more challenging version of the puzzle with incomplete information

UBCInsight—(*TypeScript)*   Sept. 2017–Dec. 2017
- Designed a multi-module system that can parse raw text data, persist them in JSON format, and answer queries using a customized language similar to SQL
- Followed a test-driven development process

Buses R Us—(*Android)*   Nov. 2016
- Developed an Android App that maps bus stops and bus routes, and retrieves bus arrival information in Vancouver
- Implemented classes and methods based on a UML class diagram
- Wrote parsers to parse JSON data and handled exceptions

TECHNICAL EXTRACURRICULAR ACTIVITIES

Global Game Jam—(*Unity/C#, Team of 4)*   Jan. 2018
- Designed a 2D puzzle game "Surge" in which player wins by connecting all houses with electrical wires to meet power supply demands without running out of cash
- Implemented cash system, inventory selection, and the functionality of items

EduHacks—(*HTML/CSS, Team of 5)*   Sept. 2017
- Designed a web application that matches students with their classmates based on certain constraints
- Implemented the user profile page with HTML and CSS

TECHNICAL SKILLS

- **Languages/Frameworks:** Java, TypeScript, JavaScript, HTML, CSS, Haskell, Prolog, C++, C, Racket, C#
- **Tools:** Git, Android Studio, RubyMine, Ruby on Rails, Unity