

# rowena zhu

Victoria, BC | 250-634-0518 | rowzhu@gmail.com | roweba.github.io | github.com/roweba

## Education

**University of Victoria** | September 2015 – April 2020 (expected graduation)

- BSc Computer Science, Software Engineering Option

### Relevant Courses:

- Algorithms and Data Structures **A-**
- Computer Architecture **B**
- Computer Networks **A-**
- Database Systems **A-**
- Human Computer Interaction **A+**
- Object-Oriented Software Development **A-**

## Skills

**Languages:** Assembly, C, C++, CSS, HTML, Java, JavaScript, MySQL, PHP, PostgreSQL, Python, Ruby, R, SQLite, Swift

**Frameworks + Technologies:** Adobe CC, Bootstrap, Dialogflow, Django, Fetch, Git, Heroku, JIRA, jQuery, ProofHub, Ruby on Rails, Spring MVC, XCode

**Concepts:** Agile, Domain-Driven Design, Object-Oriented Design Patterns, SOLID, TCP/UDP

## Experience

**Open School BC** | Programmer Analyst Co-op | May 2018 – August 2018

- Designed and developed HTML5 Canvas e-learning animations in Adobe Animate CC, and deployed to production server
- Worked in an Agile team to develop OASIS – a chatbot AI using Dialogflow, JavaScript, PHP, CSS
- Participated in biweekly Sprint meetings and used ProofHub to track workflow
- Resolved help desk tickets using JIRA Service Desk and Oracle SQL Developer

**Science Venture** | Youth STEM Instructor | October 2017 – March 2018

- Created innovative and new curriculum for a youth all-girls coding club “On FriYAY We Code” - an Actua sponsored project to get more young females interested in programming
- Curriculum taught programming knowledge using Arduino, Codepen, HTML/CSS/JavaScript, SQLite, Sphero, Swift Playgrounds, and XCode
- Acted as an instructor and mentor for each session of the club, and worked to create a safe and accessible learning environment

## **BC Ministry of Citizens' Services | Network Analyst Co-op | May 2017 – August 2017**

- Worked on a self-directed project to analyze the quality of wireless networks in BC Government Offices
- Used Cisco Prime Infrastructure to create heat maps of wireless coverage, analyzed dBm, and made recommendations to clients based on existing coverage
- Migrated Microsoft SharePoint list to Microsoft SQL Server database in order to avoid maximum list threshold

## **Projects**

### **Forte | <https://github.com/roweba/Forte>**

- Web application to connect professional and amateur musicians in Victoria
- Independently developed using Ruby on Rails, MySQL, and Git

### **WhipVic | <https://github.com/roweba/WhipVic>**

- Car-share web application written using Django – Python, HTML, CSS, Bootstrap, SQLite
- Managed dependencies using a Python virtual environment

### **BattleSnake | <https://github.com/roweba/gucci-snake>**

- Programming competition in Victoria, BC
- Worked in a team to code a web-based AI in Python and deployed to Heroku server
- Implemented the A\* path-finding algorithm

## **Volunteer**

### **UVic Women in Engineering and Computer Science | September 2016 - present**

- Organized and participated in events such as Java review sessions, and coding workshops for middle school students

### **Ladies Learning Code | January 2017**

- Mentored four beginning programmers at a Ruby coding workshop
- Clarified concepts, helped debug code, and answered programming questions

## **References**

References available upon request.