

# Alison R. Wu

Year 2, Computer Science Major

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## TECHNICAL SKILLS

Languages	Java, C/C++, HTML, CSS, JavaScript
Software	IntelliJ, Android Studio, Linux OS

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## WORK EXPERIENCE

### IM/IT Project Assistant, Children & Family Research Institute

Sep 2016 - Present

- Revamping support page, debugging dev site
- Modifying and adding HTML forms, connecting with backend database
- Learning Knockout.js, PHP, and MySQL

### Undergraduate Teaching Assistant, UBC Dept. of Computer Science

May 2016 - Present

- For CPSC110 – Computation, Programs, and Programming
  - Administer labs of ~30 students each, assist them with lab and answer questions
  - Grade programming problem sets following a rubric
  - Supervise forum, attending weekly meetings, and do pre-lab preparation

### Quality Assurance Tester, T&T Supermarket

Dec 2015

- Tested out two versions of a server and web interface
  - Recorded results with Microsoft Excel
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## PERSONAL PROJECTS

### Word Search Android app

Jun 2016 - Present

- Developing a word search app that will randomly generates a puzzle with adjustable size and customizable word banks
- Programmed a word search generator, using Android Studio to create functioning app
- Planning to adapt to a Korean language version with word meanings displayed

*Skills: Java, Android Studio*

### “No Wineing” Randomizer Web App at nwHacks 2016

Feb 2016

- Created a random player picker app for up to 4 players that keeps track of your blood alcohol concentration levels depending on one’s height, weight and the current time
- Worked in a team of 4 members during a 24-hour hackathon
- Wrote the web app code with the use of a basic Bootstrap template and styling
- Incorporated JavaScript program written by teammates into the HTML

*Skills: HTML, CSS, JavaScript, Bootstrap templating*

### “Rolle van Erlenmeyer” the Chat Bot and game applet

Apr 2015 – June 2015

- Programmed for a grade 12 Capstone project and worked as a group of 2
- Hardcoded a chat bot which answers questions and replies with remarks about the Science Academy program and personal Q&A
- Created a mouse pointer game applet with Java’s built-in graphics library

*Skills: Java, Eclipse*

## ACADEMIC PROJECTS

### Counter, Calculator, Parsing, and YouTube player Android apps

May 2016 – June 2016

- Wrote various basic apps that incorporate XML layout files and Android Studio UI features
- Programmed an XML parser that displays Apple's Top 10 Apps RSS feed
- Coded a YouTube video and playlist player with the YouTube Android Player API and a Google API key

*Skills: Java, Android Studio, XML parsing*

### "Mind the Gap" London transit Android app

Mar 2016

- Implemented data model for a transit system that stores, organizes, and utilizes data from Transport for London's RESTful API
- Wrote JSON parsers that retrieve subway line data accessed with the Transport for London API, as well as parsing live data for all station arrivals
- Utilized JUnit testing framework and Genymotion emulator

*Skills: Java, IntelliJ, JUnit testing, API integration, JSON parsing*

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## EXPERIENCE

### Intro to Python Mentor, Ladies Learning Code UBC

Jun 2016

- Guided high school girls through a python tutorial

### HTML Workshop Czar, GIRLsmarts4tech UBC

Nov 2015 – Feb 2016

- Led team to review and plan assigned presentation and activity
- Coordinated between group individuals and event leaders
- Directed meetings and day-of HTML workshop with young girls

### Global Game Jam Volunteer, UBC

Jan 2016

- Registration table, physical labour, miscellaneous

### Experience Science Day Facilitator, UBC

Nov 2015

- Setup coding activity, guide children through activity, answer questions
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## EDUCATION

### University of British Columbia

Sep 2015 - Present

- Bachelor of Science (Computer Science Major)
- GPA 89% (CPSC 90%)
- Expected graduation in May 2020

### Art Institute of Vancouver

Jan 2015 – Apr 2015

- GAD 110 – Game Design I
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## AWARDS AND RECOGNITION

- Dean's Honour List (UBC) 2016
- Chancellor's Scholar Award (UBC) 2015
- Principal's Honour Roll (Fraser Heights Secondary School) 2011-2015
- AP Scholar with Honour (College Board) 2015