

Alison R. Wu

Year 2, Computer Science Major
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TECHNICAL SKILLS

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

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 - Present

- 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

“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

WORK EXPERIENCE

- IM/IT Project Assistant, Children & Family Research Institute** *Sep 2016 - Present*
- Revamp support page
 - Learning JavaScript, PHP, and MySQL
- Undergraduate Teaching Assistant, UBC Dept. of Computer Science** *May 2016 - Present*
- For CPSC110 – Computation, Programs, and Programming
 - Administer two labs of ~30 students each, assisted 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/ QA Tester, T&T Supermarket** *Dec 2015*
- Tested two versions of a server and web interface, recording with Excel
- Team Member, Tim Hortons** *Mar 2014 – May 2014*
- Practice customer service, maintaining inventory, and cash transactions
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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
- Assistant Badminton Coach, Fraserwood Elementary** *Feb 2013 – May 2013*
- Teaching badminton skills to grade 6/7 members
 - Planning and organizing school games
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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 *2015*