



Alison R. Wu

Year 4 • Computer Science Major • arwu6@outlook.com • <http://alisonrwu.github.io>

TECHNICAL SKILLS

Languages	Java, Type/JavaScript, C, C#, C++, Python, Ruby/Rails
CLI	Batch, Bash, Git, Heroku

EDUCATION

University of British Columbia (*Expected April 2020*)

- Bachelor of Science, Computer Science Major
- Chancellor's Scholar Award
- Dean's Honour List
- 3.9 / 4.0 GPA

WORK EXPERIENCE

Software Engineer Intern (*Microsoft Corporation*)

May – Aug 2018

- Built a UWP application from scratch while following MVVM principles in a team of 6
- Assessed security risks through threat modelling and data flow diagrams
- Learned about and added basic telemetry hooks

Junior Software Engineer (*Tasktop Technologies*)

May – Dec 2017

- Designed and implemented directional filtering capabilities for product using Java and AngularJS
- Analyzed, corrected, and refactored classes for link transformation, caching, and various defects
- Tested all changes at unit, integration, and UI levels with JUnit, Selenium, Jasmine and Karma

IMIT Project Assistant (*BC Children's Hospital Research Institute*)

Sep 2016 – Apr 2017

- Revamped internal support page to a centralized, one component app with Knockout.js
- Acknowledged for improved UX by several institute facilities who depend on the support portal

Undergraduate Teaching Assistant (*UBC Dept. of Computer Science*)

CPSC213 – Introduction to Computer Systems

Jan – Apr 2017

CPSC110 – Computation, Programs, and Programming

May – Dec 2016

- Administered labs, supervised forums, objectively graded student problem sets and exams
- Explained concepts like recursion, tree/graph traversal, threading, and mutexes

PROJECTS

Sleight of Hands – Three.js, Leap Motion (<https://github.com/alisonrwu/nwhacks2018>)

Jan 2018

- Combined graphics knowledge and first-time hardware usage to create minigames in a team of 4

Wuhubot – CoffeeScript, Hubot, various public APIs (<https://github.com/alisonrwu/wuhubot>)

Aug 2017

- Scripted todo list, currency conversion, weather and verse querying, and more for personal chatbot

InsightUBC – TypeScript, Restify, React (<https://insightubc-cs.herokuapp.com/>)

Jan – Apr 2017

- Implemented web app for course querying and room scheduling, unit testing with Mocha and Chai
- Created frontend UI with React components, styled with Bootstrap

GeoPost (nwHacks2017) – JavaScript, Google Maps API (<https://github.com/alisonrwu/nwhacks2017>)

Mar 2017

- Mobile feed that geo-caches posts made in a team of 4, [won Best Node.js App using CockroachDB](#)
- Wrote Node.js server with page routing and connection to a CockroachDB cluster
- Implemented a map view of uploaded posts with JQuery and Google Maps API

PaperCut (BC Game Jam 2017) – Lua, Love2D (<https://github.com/terbb/bc-game-jam>)

Feb 2017

- Prototyped a dimensional cutting game in a team of 3, [won Volunteers' Pick – First Place](#)
 - Learned Lua, setup base Love2D architecture and coded scoring system and shape rendering
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