Mandy Chen

Vancouver, BC, V6T 0B6, Canada

(604) 720-9386 | mandychen@alumni.ubc.ca

https://github.com/42mandychen | www.linkedin.com/in/mandy-c

Technical Skills

Java, JavaScript (Node.js, ReactJS), TypeScript, SQL, C/C++, Racket, HTML/CSS, Bash.

Education

University of British Columbia (UBC)   Sep 2015 – May 2018 (Expected)

Vancouver, BC, Canada

- Bachelor of Science, Computer Science Major, CGPA 3.86/4.0, Major GPA 4.0/4.0.
- Received Trek Excellence Scholarship for Continuing Students (Top 5% of the Science Faculty) in 2016.

Work Experience

Undergraduate Teaching Assistant (*UBC Dept. of Computer Science*)   May 2016 – Apr 2017

- Taught CPSC110 (*Computation, Programs, and Programming*) for three consecutive terms.
- Guided 100+ students to solve programming problems by helping them gain a deeper understanding of functional programming in Racket and systematic programming design.

GIRLsmarts4tech Coordinator (*UBC Dept. of Computer Science*)   Apr 2016 – Apr 2017

- Taught 140+ Grade 6 and 7 girls about HTML/CSS basics, HCI, programming using Microsoft Touch Develop, 3D printing, and hardware through organizing workshops.

Projects

InsightUBC – **Web App** *(TypeScript, Node.js, ReactJS, HTML/CSS)*   Jan 2017 – Apr 2017

- Deployed a web app that allows users to query information about UBC course offerings and classrooms, view results, and schedule courses into available rooms in a team of two.
- Built data models that parse and process data asynchronously from compressed JSON and HTML files, and cache data in local JSON files for fast and stable client-side access in TypeScript.
- Completed RESTful endpoints adaption with Restify APIs, used ReactJS and endpoints to set up and finish a course information exploration page, and hosted through Heroku: https://insightubc-cs.herokuapp.com/.

AirBC – **Web App** *(PHP, SQL, Twig, HTML/CSS, jQuery)*   Jan 2017 – Apr 2017

- Built an airline system that allows public to view information, customers to log in and book tickets, and staff to manage the database and view summary data reports in a team of four.
- Implemented Aircraft, Route, and Flight pages using queries in SQL from database and displayed results using Twig, HTML, CSS, and jQuery.
- Created a page using aggregate queries to display route and flight information for staff.

Mind The Gap - **Android App** *(Java)*   Jan 2016 – Apr 2016

- Completed the implementations of an Android app that parses JSON data using London's Underground RESTful API and displays real time London Underground arrival and departure information.
- Tested implementations using JUnit framework in IntelliJ, Android app interface and functionalities in emulator Genymotion.