Mandy Chen

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github.com/42mandychen • mandychen.me

Technical Skills

TypeScript, JavaScript, Java, C, C++, HTML, CSS, SQL, PHP, Bash.

Education

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

Vancouver, BC, Canada

- Bachelor of Science, Major Computer Science, Cumulative GPA 3.9/4.0, Computer Science GPA 4.0/4.0.

Projects

Giveaway Picker **– Web App** *(React, JavaScript, HTML, CSS, Bootstrap)*   June 2017 - Present

- Developing individually a web app that randomly selects winners from people who liked given Instagram posts with OAuth 2 client-side authentication integration and a routing system.
- Utilized jsonp requests to fetch data from Instagram API.

Sweet Bunny **– Game** *(JavaScript, Processing, HTML, CSS)*   Jan 2015 - July 2017

- Recreated a Processing game in JavaScript and embedded on website with p5.js library.

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

- Built an airline system that allows the 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 to fetch data and displayed results with robust type-checking and error-handling.

InsightUBC **– Web App** *(TypeScript, Node.js, React, JavaScript, 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 and hosted on Heroku.
- Built data models that parse data and cache data in local JSON files for fast client-side access in TypeScript.
- Completed RESTful endpoints using Restify and finished a course information exploration page with React.

Skiplist **– Data Structure** *(C++)*   Oct 2016

- Implemented a skip list data structure to parse an input text file and output a text file containing the words in the input file with frequency and pages of occurrences in an alphabetical order.

Work Experience

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

- Recruited, trained, and managed 70+ volunteers through advertising and hosting meetings.
- Updated, designed, and organized workshops to teach 140+ Grade 6 and 7 girls about HTML and CSS basics, HCI, programming, 3D printing, and hardware.

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 program design.

Full Resume: mandychen.me/resume