

# Mandy Chen

307-6090 Iona Drive, Vancouver, BC, V6T 0B6, Canada • Willing to relocate in May 2018

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## Technical Skills

### Languages

ordered by decreasing proficiency

JavaScript, TypeScript, Java, SQL, HTML, CSS, C, C++, Racket, Liquid.

### Frameworks

Node, React, Bootstrap, Restify.

### Tools

Git, Bash, npm, yarn, babel, Atom, jUnit, Mocha, IntelliJ, Genymotion.

## 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.
- Received Trek Excellence Scholarship for Continuing Students (top 10%) in 2016.
- Undergraduate representative for the Committee for Outreach, Diversity and Equity.

## Projects

### dsa.js – Data Structures (JavaScript, babel, ESLint, Jest)

Aug 2017 - Present

- Implemented data structures (max heap, priority queue, etc.) in ES6+ syntax, compiled with babel, and tested with Jest. <https://github.com/42mandychen/dsa.js>

### Giveaway Picker – Web App (React, JavaScript, HTML, CSS)

June 2017 - July 2017

- Developed a web app that randomly selects winners from people who liked given Instagram posts with client-side authentication integration and a routing system and hosted on GitHub Pages. <https://github.com/42mandychen/giveawaypicker>

### Sweet Bunny – Game (JavaScript, Processing, HTML, CSS)

Jan 2015 - July 2017

- Created a game and embedded on website. <https://www.mandychen.me/sweetbunny/>

### AirBC – Web App (PHP, SQL, Twig, HTML, CSS, jQuery)

Jan 2017 - Apr 2017

- Built an airline system that allows users to view information, log in, book tickets, manage the database, and view summary data reports. <https://github.com/RhysBower/AirBC>
- 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, 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. <https://insightubc-cs.herokuapp.com/>
- Completed RESTful endpoints using Restify and finished a course information exploration page with React.

## Work Experience

### GIRLsmarts4tech Coordinator

Apr 2016 – Present

*UBC Department of Computer Science, Vancouver, Canada*

- 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

May 2016 – Apr 2017

*UBC Department of Computer Science, Vancouver, Canada*

- Taught CPSC110 (Computation, Programs, and Programming) for three consecutive terms.
- Guided 100+ students to solve programming problems by helping them gain a deeper