

Mandy Chen

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Technical Skills	Languages JavaScript, Java, SQL, C++, Racket.	Frameworks Node, React, Restify, jUnit, Mocha, Jest.	Tools Git, Bash, babel.
Education	The University of British Columbia (UBC) <i>Vancouver, BC, Canada</i> Sep 2015 – Apr 2018 (Expected) <ul style="list-style-type: none">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.		
Projects	dsa.js – Data Structures (JavaScript, babel, ESLint, Jest) Aug 2017 - Present <ul style="list-style-type: none">Implemented data structures (max heap, priority queue, etc.) in ES6+ syntax, compiled with babel, and tested with Jest. github.com/42mandychen/dsa.js merge-md – JavaScript Package (Node) Aug 2017 <ul style="list-style-type: none">Created a package that merges all the Markdown files in a given directory.244+ downloads on npm, 54+ downloads on yarn. github.com/42mandychen/merge-md Giveaway Picker – Web App (React, JavaScript, HTML, CSS) June - July 2017 <ul style="list-style-type: none">Developed a web app that randomly selects winners from people who liked given Instagram posts with client-side authentication integration, a routing system and hosted on GitHub Pages. github.com/42mandychen/giveawaypicker Sweet Bunny – Game (JavaScript, Processing, HTML, CSS) Jan 2015 - July 2017 <ul style="list-style-type: none">Created a candy-catching game in Processing, rewrote in p5.js and embedded on portfolio website. github.com/42mandychen/sweetbunny/ AirBC – Web App (PHP, SQL, Twig, HTML, CSS, jQuery) Jan - Apr 2017 <ul style="list-style-type: none">In a team of four, built an airline system that allows users to view information, log in, book tickets, manage the database, and view summary data reports. github.com/RhysBower/AirBCImplemented 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 - Apr 2017 <ul style="list-style-type: none">In a team of two, deployed a web app that allows users to query information about UBC course offerings and classrooms, view results, and schedule courses into available rooms 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 <i>UBC Department of Computer Science, Vancouver, Canada</i> <ul style="list-style-type: none">Developed JavaScript Programming activity for 100+ Grade 6 girls.Updated, designed, and organized workshops to teach HTML and CSS basics, HCI, 3D printing, and hardware. Undergraduate Teaching Assistant May 2016 – Apr 2017 <i>UBC Department of Computer Science, Vancouver, Canada</i> <ul style="list-style-type: none">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.		