

Erica Choi

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EDUCATION

University of British Columbia — 4th year BSc in Computer Science**2015 - Present**

Dean's Honour List —

Awarded to students with sessional average of 80% or higher (2016/2017/2018/2019).

INDEPENDENT PROJECTS

BackendAPI *PostgreSQL, Node.js, JWT, express* **05/2019**

- **Set up** a backend server using RESTful API, querying logic for signup, login, get and modify user data.
- **Handled** user authorization system with JWT tokens set as headers.

ConversionBuddy *Java, Swing* **10/2018**

- **Developed backend** on a unit conversion app in Java that allows users to convert between units of length. Users can save, load and clear conversion history.
- **Designed** with OOP principles, employing design recipes such as observer, composite and singleton patterns.

SimpleChat *JavaScript, React, React Native, Firebase* **08/2018**

- **Built** an iOS mobile app in JavaScript that opens with a screen that allows the user to sign-up or login.
- **Enabled** authorization of users and password encryption via Firebase, storing login information onto the database.

Fresh *MongoDB, Meteor, React, Redux* **05/2019**

- **Created** a web-app that allows users to post grocery prices, locations and images to the app, and see reported deals.
- **Developed** JavaScript API to store items, allow users to create personalized shopping lists and send as an email.
- **Built** a form for users to submit reported deals, with autocomplete geo-suggest component using Google Maps API dropdown selector for items and units.

HACKATHONS

Greenify *HTML, CSS, JavaScript, Firebase* **(Hacking for Humanity) 05/2019**

- **Collaborated on** a web-app with three team members, a curated retailer platform for mainstream consumers to make eco-friendly purchases from environmentally conscious companies.
- **Developed backend** on an educational quiz about climate change with JavaScript, using local storage to update and maintain user scores that converts to discounts on items (<https://clime-b5f97.firebaseio.com/>).

UBCcure *AWS Lambda, JavaScript, Node.js* **(nwHacks) 01/2019**

- **Designed** the Amazon's Alexa skill, a trivia based on household safety procedures along with two team members.
- **Specialized in** backend using Amazon skill kit, adding questions on the AWS Lambda serverless platform.

ACADEMIC PROJECT

InsightUBC *TypeScript, Node.js, Mocha, Chai, Git, Linux, REST* **04/2019**

- **Designed and developed** a full-stack web development project employing Agile methodologies and TDD, which involved querying of the metadata to answer questions about UBC classroom statistics.
- **Reduced** the average run time by 47.5% by implementing hash-map dictionary structure for parsed JSON objects.
- **Set up** RESTful backend server so that queried responses can be stored persistently in an online database.

WORK EXPERIENCE

Pharmacy Assistant *Shopper's Drug Mart, UBC* **05/2017 - 03/2018**

- **Provided** ease during high traffic times, dispensing medication, making phone calls to patients for refill reminders.
- **Achieved top sales** for flu-shots during the flu season by explaining benefits of herd-immunity to patients.

TECHNICAL SKILLS

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|--------------|--------------|----------------|--------------|
| ▪ C · C++ | ▪ TypeScript | ▪ REST | ▪ Git |
| ▪ Java | ▪ JavaScript | ▪ AWS Lambda * | ▪ React * |
| ▪ PostgreSQL | ▪ HTML · CSS | ▪ Linux | ▪ Firebase * |
- *Currently Acquiring