

Hannah Guo

Software Engineering



hguo2102@gmail.com



hannahguo.me



[linkedin.com/in/hannah-guo](https://www.linkedin.com/in/hannah-guo)



github.com/HannahGuo

Education

University of Waterloo | September 2020 - April 2025

- Pursuing a Bachelor of Software Engineering, 3.9/4.0 GPA

Skills

Languages: JavaScript/jQuery and Node.js, Java, Typescript, HTML/CSS, Python, Android, C++, C

Frameworks and Libraries: React, Angular, Express, Redux, Gatsby, NgRx

Technologies: Figma, Git Version Control, Google Cloud Platform (Firebase Databases and Authentication, Maps, Cloud Functions)

Work Experience

Stripe, Software Engineering Intern | January 2022 - April 2022

- Led the design, discussion, implementation, testing and documentation of a new user-facing Payment Methods API endpoint (written in **Java**) to be rolled out to 100% of Stripe users
- Worked with Stripe's service-oriented architecture and protocol buffer data format to build adapters, perform authorizations and communicate across services
- Wrote unit and integrations tests in **Java**, as well as synthetic tests in **Typescript** for API behaviour, resulting in the discovery of several missing validations

WFHomie, Full-Stack Developer | May 2021 - August 2021

- Rebuilt event, gifting and classes pages for a start-up employee engagement platform using **React**, **Redux**, and **Firebase**, halving site load time and increasing the number of active clients by 350%
- Spearheaded creation of company **Figma** to improve UI/UX processes and streamlined accessibility in design
- Developed Slack integrations using **Node.js Cloud Functions** to simplify the event booking process, resulting in double the number of client reservation requests

RBC Summer Tech Labs, Front-End Developer | July 2020 - August 2020

- Created front-end UI components following RBC design guidelines for an open questions forum used by over 200 RBC developers using **Angular**, and **NgRx** for state management
- Planned Agile development sprints using GitHub Issues and Projects with a team of nine other developers

Projects

University of Waterloo Women in STEM Web Developer | January 2021 - September 2021

- Implemented new initiative pages for the advocacy series and Instagram takeovers for the club's [website](#) using **Figma** and **HTML/CSS/JavaScript**
- Presented an Introduction to Web Development (**HTML/CSS**) MLH Localhost Workshop to over a dozen participants

[Ranked Records](#) | July 2021 - Present

- Built a full-stack application using **Express** and **React** with the Spotify API to display all of an artist's songs ranked by popularity
- Used Spotify Authentication and the **Node.js** Spotify API to facilitate playlist creation and customization from over 200 users in the first week of launch