

Hannah Guo

Software Engineer



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Education

University of Waterloo | September 2020 - April 2025

- 3.9/4.0 GPA
- Pursuing a Bachelor of Software Engineering
- Received the \$15k Scotiabank Software Engineering Entrance Scholarship

Skills

Programming Languages: JavaScript, Java and Android, Python, C

Technologies: Angular and NgRx, React, Node.js, jQuery, Git/Github Version Control, Figma, Google Cloud Platform (Firebase Databases and Authentication, Google Maps)

Work Experience

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

Hatch Ltd., Front-End Developer | August 2019

- Designed and developed a real-time data analysis and asset management application using **React**
- Iterated on UI/UX feedback given by employees from the company's business and engineering project teams

Extracurriculars

Google Computer Science Summer Institute Online | July 2020

- Participated in an online 4-week intensive CS summer program for incoming freshmen with a curriculum curated and mentored by Google engineers
- Completed over a dozen daily code challenges and a summative project game called Arrowbics using data types, classes and functions with the P5 **JavaScript** processing library

Google Code-In Runner-Up | December 2019 - January 2020

- Competed in an international high-school open source software development competition against 3,566 other developers
- Finished 15 challenges from the Terasology Foundation relating to world generation, AI behaviours and other game modules using **Java**

FIRST Robotics Team 1325 Lead Programmer | September 2018 - March 2020

- Led robot code development using the **Java** robotics libraries (WPILIB and CTR Electronic) to link sensors, driver controller inputs and motor outputs
- Wrote over 1500 lines of automation code that directly led to the team ranking third in our division at the international FIRST Robotics Championship in Detroit 2019
- Worked with the strategy team to develop a scouting database which sorts and displays robot data from **Firebase** to optimize game strategies