

Simran Thind

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Skills

Languages: Java, VB.NET, HTML/CSS/JavaScript/TypeScript, Python, C, C++, SQL

Tools: Visual Studio, Eclipse, Git, GitHub, Postman, Anaconda, Docker, Jira/Confluence, SceneBuilder, Netlify

Frameworks: React, Redux, Jest, Enzyme, MJML, Flask, Blueprint.js, Node, JavaFX/Swing, ANTLR, pygame

Interests: debate, dragon-boating, philately, piano, creative writing, amateur radio

Experience

EngHack / Technology Project Manager

Feb 2021 – present

- Leading a team of 8 developers in creating a new website, backend, and Discord bot (using **Discord.js**) for the hackathon with a new tech stack focused on promoting maintainability for future events
 - Frontend: **React** components with **TypeScript** and **apollo-graphql**
 - Backend: a **graphql** server with **Prisma** and **Docker** for containerization, with a **PostgreSQL** database – hosted and deployed on **Google Cloud**
- Setting up projects and making architecture decisions, assigning task tickets, reviewing pull requests, writing documentation and onboarding material
- Co-ordinating team meetings and managing project timelines and priorities with EngHack leadership

Hack the North / Backend Developer

Mar 2020 – Jan 2021

- Created email templates and newsletter emails with **MJML** and managing distribution with **MailChimp**
- Helped build a new email creation tool in the team dashboard to simplify the process of drafting templated emails with **React** components and the **Blueprint.js** UI toolkit; updated email API endpoints
- Served as Hacker Engagement Manager for the Hack the North 2020++ event and planned the interactions between 1000+ attendees (primarily moderation)

Bluescape / Software Engineering Intern (Frontend)

May – Aug 2020, Jan – Apr 2021

- Refactored web client UI items into a **React** and **Redux** ecosystem to improve integration
- Wrote unit and snapshot tests with **Jest** and **Enzyme**; tackled UI bugs and enhancements
- Spearheaded development on an improved file uploading system which included building new subpanels, drawing placeholders with **Three.js**, creating fresh toast notifications, adding abort functionality, and laying down the groundwork to track file progress

Google Code-In / Student Developer

Oct – Dec 2018

- Participated in this international open-source event from Google working on tasks for the Sustainable Computing Research Group (SCoRe Lab), based in Sri Lanka
- Coded test cases, worked with version control, learned more about web tools such as **Selenium** and **Protractor**, and wrote documentation

Projects

From a self-care focused virtual pet (**jiko-ai (ジコアイ)**) made using a **Raspberry Pi** and **IBM Watson's Speech-To-Text API** to a programming language in development (**Lemonade**), check out my code on [GitHub](#).

Education

University of Waterloo / Hon. BE - Software Engineering

Sep 2019 – Apr 2024

- **Courses:** Software Engineering Principles, Data Structures and Management, Logic and Computation, Data Abstraction and Implementation, Statistics for Software Engineering
- **Societies:** Ontario Network of Women in Engineering Student Ambassador, Rewriting the Code Fellow 2020-2021, University of Waterloo Women in Software Engineering cohort representative, Engineering Orientation 2020 "Big" Leader, StarterHacks 2020 Mentor
- **Awards:** President's Scholarship of Distinction (>95% admission average), Waterloo Engineering Competition Spring 2020 medallist in programming