

# GIGI CHEANG

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## EDUCATION

### Honours Bachelor of Science - Computer Science (Co-op)

University of Toronto

Expected: Apr. 2026

Toronto, ON

## EXPERIENCE

### Software Engineering Intern

Ontario Power Generation

Jan. 2024 – Aug. 2024

Whitby, ON

- Responsible for full stack **end-to-end** development of web applications and features, contributing to critical projects that enhance operational efficiency and innovation.
- Developed single-page applications using **Angular**, facilitating an intuitive user experience.
- Implemented APIs using **ASP.NET Core** and Entity Framework in **C#** with structured and reliable responses.
- Authored and optimized **SQL** queries and stored procedures, improving overall database performance.
- Developed **PowerShell** scripts to automate repetitive and scheduled tasks, reducing manual workload and resulting in time savings and increased productivity.
- Demonstrated **strong communication skills** leading meetings with application users, gathering requirements, and meticulous documentation of project specifications and progress.

### Full Stack Developer

Verta Labs

Aug. 2023 – Dec. 2023

Remote

- Developed reusable and responsive **React** components based on client input and Figma design document, streamlining UX/UI development process.
- Created a mobile-friendly web app with **responsive design** using **Tailwind CSS**.
- Developed and optimized **FastAPI Python** backend endpoints, proficient in crafting efficient **SQL** queries for seamless interaction with SQL Server.

## PROJECTS

### Resume Rumble (Hack the Valley '23) | *Next.js, React, Tailwind CSS, TypeScript, MySQL, AWS*

- Created a resume management web application for software engineers looking to improve their resume by leveraging generative AI, using the **OpenAI API** and **Next.js**.
- Created an animated and responsive front-end using **React**, **Tailwind CSS**, and **Typescript**.
- Stored resume and lobby records in a PlanetScale **MySQL** database with user images hosted in **AWS S3**.

### Tabz, a household management mobile app | *TypeScript, MERN stack: MongoDB, ExpressJS, React Native, NodeJS*

- Developed a mobile app with features targeted towards individuals in shared living situations.
- Wrote backend **GraphQL** schemas and resolvers to implement inventory system functionality.
- Tested thoroughly using **Docker**, Apollo Sandbox and mobile emulators.

### Venue bookings Android app | *Java, Firebase, Android Studio*

- Developed an Android mobile application for venue owners and event attendees to plan and schedule event information and attendance.
- Followed MVVM (Model-View-Viewmodel) design pattern and created XML layouts for reusable fragments in **Android Studio**.
- Designed in accordance with **Android app architecture** and Google's Material Design.

### Ride-share web app (backend) | *Java, PostgreSQL, MongoDB, Neo4j*

- Implemented a **REST API** routing to a variety of loosely coupled APIs and their respective databases, following a **microservices architecture**.
- Set up endpoints for each API and wrote database queries for data access object classes.
- Created a comprehensive suite of **JUnit** tests for response statuses and correctness.

## TECHNICAL SKILLS

**Languages:** JavaScript/TypeScript, HTML/CSS, SQL, Java, C#, Python, C

**Frameworks and Tools:** Angular, React, Next.js, Tailwind CSS, Node.js, Express, Flask, MongoDB, Firebase

**Dev Tools:** Linux, Git, PowerShell, Bash, Docker, Azure