

# Justin Gu

📞 647-918-8708 | ✉️ jjwgu@uwaterloo.ca | [in](#) /jusgu | [G](#) /jusgu

## EDUCATION

### University of Waterloo

Candidate for Bachelor in Computer Science

Sept. 2021 – May 2026 (Expected)

Waterloo, ON

- Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms

## SKILLS

**Languages:** TypeScript, JavaScript, HTML/CSS, Python, Java, C, C++, Golang,

**Technologies:** React, SQL (Postgres, OracleDB, MS SQL), Django, Express, Gin, Express, Gin, Node.js

**Developer Tools:** Git, Docker, Bash, Twilio, Sentry, Pytest

## PROFESSIONAL EXPERIENCE

### Software Engineer @ Care Better

Apr. 2023 – Dec. 2023

Next.js TypeScript React Golang Gin PostgreSQL

San Francisco, CA (Remote)

- Launched new **Nearby Discounted Drugs Subpage** through complete development of full stack web application using React, Typescript, Gin, and Golang, **generating 1000+ monthly active users**
- Developed web form allowing users to book medical appointments with nearby doctors using React, Typescript, Gin, and Golang, **saving 8000+ minutes for patients since launch**
- Identified and resolved 10+ issues on Google Lighthouse and Sentry, including implementing server-side pagination, **reducing initial page load time by 29%**
- Pioneered new web scraping pipeline to update list of popular drugs using Python, **improving workflow from 2.5 hours to 3 minutes**
- Automated schema migrations and database seeding in PostgreSQL using Golang and GORM, **reducing total update and seeding time by 97%**

### Software Developer @ Toronto-Dominion Bank

Jan. 2023 – Apr. 2023

JavaScript React Python Django Microsoft SQL Server

Toronto, ON

- Implemented **role-based access controlled** components using React, enabling Portfolio Managers to securely manage and retrieve 1600+ customized portfolio data via REST using Django and MS SQL Server
- Optimized front-end data fetching through data caching, **reducing initial page load time by 700ms (95%)**
- Designed and developed new **data pipeline checkpoint tool** using Python, **reducing monthly portfolio processing time by 30%**

### Software Developer @ Government of Ontario

May 2022 – Sept. 2022

Typescript Angular Spring Java OracleDB

Toronto, ON

- Developed **IAM (Identity Access Management) web application** to retrieve and insert user records into MySQL database using Spring MVC, Spring Boot and Spring Security
- Led **2 coworkers** to develop full stack application to monitor and collect application migration data into an Oracle database using Angular and Express
- Designed **ELT pipelines** using ODI (Oracle Data Integrator) interface to transform user login data models based on business requirements between numerous Oracle Databases

## PROJECTS

### Software Developer @ Vocode (YC W23)

Sept. 2022 – Dec. 2023

Python React Supabase

San Francisco, CA (Remote)

- Implemented **role-based access controlled, responsive, and accessible** web dashboard using React, storing and retrieving customized user information using Supabase
- Optimized Coqui Text-to-Speech client, reducing response latency from **13s to 1s (92%)**
- Designed 10+ Python mock HTTP client unit tests, **eliminating costly test scenarios**