

SAM MEYDANSHAH

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EDUCATION

University of Waterloo

Bachelor of Computer Science (Honours)

Waterloo, ON

2021 – 2026

- Coursework: Algorithms, Operating Systems, Object-Oriented Programming, Functional Programming, Database Management, App Development, User Interfaces, Data Structures, Compilers, Shell Scripting

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, C, C++, Go, Rust, Kotlin, Swift, SQL

Frameworks & Tools: React, Next.js, Angular, Node.js, Express.js, Django, FastAPI, Spring Boot, Maven, Gradle, Docker, Kubernetes, AWS, GCP, Supabase, PostgreSQL, MongoDB, Firebase, JWT, LLMs, CI/CD

EXPERIENCE

Tenstorrent

Incoming January 2026

Toronto, Ontario, CA

Kernel Developer Intern – Path Finding Team

- Contributing to the design and optimization of kernel-level components by analyzing low-level performance bottlenecks, improving tensor compute efficiency, and implementing optimizations for workloads
- Collaborating with ML engineers to integrate optimized kernels into machine-learning pipelines while developing unit and performance tests, debugging low-level routines, and ensuring stability and reliability of kernel-level code

Payments Canada

May 2025 – August 2025

Ottawa, Ontario, CA

Software Developer – Development & Cloud Infrastructure Team

- Developed and optimized participant search functionality (Angular + Spring Boot) in the RTR payments system, improving query flexibility and reducing errors for **100+ financial institutions**
- Redesigned API responses across RTR and FIF systems to return richer payloads, reducing frontend API calls and improving load performance
- Implemented robust data validation and error-handling in RTR and FIF APIs, **resolving three recurring 500-level errors** and preventing duplicate submissions or intentionally manipulated user inputs

Teranet

January 2024 – April 2024

Toronto, Ontario, CA

Software Developer – Commercial & Registry Solutions Team

- Implemented core components of GeoWarehouse 3G using Angular, optimizing load times and improving performance for **100,000+ legal and real estate professionals** across Ontario
- Optimized existing search query logic **improving query efficiency by roughly 25%**
- Implemented automated UI testing by adding reliable test hooks throughout the codebase, resulting in **roughly 40% decrease in manual QA time per release**

Teranet

January 2023 – April 2023

Toronto, Ontario, CA

Software Engineer – IT Delivery Team

- Built a full-stack internal dashboard using Angular, TypeScript, and Node.js to **monitor 30+ backend services**, improving DevOps visibility and **cutting manual status checks by roughly 75%**

TECHNICAL PROJECTS

AI Resume Analyzer | Spring Boot, Python, OpenAI API, React, TypeScript, Tailwind, PostgreSQL

- Built an AI Resume Analyzer web app leveraging OpenAI GPT models to extract skills/experience from PDF resumes and provide ATS-style feedback against job descriptions.

YouTube Wrapped | Kotlin, Exposed, Jetpack Compose, Supabase, Google Cloud

- Developed an Android app in Kotlin to generate Spotify-Wrapped-style stats from users' YouTube watch history

Text To Speech | React, FastAPI, JavaScript

- Developed a text-to-speech web app that converts user-inputted text into AI-generated voice output

Biquadratis | C/C++, XWindows

- Engineered a modular "Tetris" variant from scratch with custom rendering using object oriented programming