

Andrew Qiao

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EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Computer Science

2022 – 2026

- GPA: 3.9, Dean's List (2022 – Present)
- Courses: Data Structures, Algorithms, Operating Systems, Object-Oriented Programming, Statistics, Probability

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C++, C, HTML, CSS

Libraries/Frameworks: React.js, Next.js, Node.js, React Native, Django, Flask, Tailwind CSS, StyleX

Databases/Cloud: PostgreSQL, SQL Server, MongoDB, Redis, Vercel, Google Cloud, AWS, Firebase, Upstash

EXPERIENCE

Snowflake

Apr. 2025 – Present

Software Engineer Intern

San Francisco Bay Area, CA

- Developing Snowflake's design system consumed by **100+ engineers** using **React.js, TypeScript, and StyleX**, accelerating the development of polished, accessible, and consistent interfaces

Snowflake

Feb. 2025 – Apr. 2025

Software Engineer (Contract)

Waterloo, ON

- Built AI copilot for Notebooks, accelerating workflows for **1,000+ data scientists** across **300+ organizations**
- Owned development of resource monitoring in Notebooks using **Python, gRPC, Protocol Buffers, React.js, TypeScript, and Vega Lite**, providing customers with a live breakdown of CPU, disk, and GPU usage

Snowflake

Apr. 2024 – Aug. 2024

Software Engineer Intern

Greater Seattle Area, WA

- Designed and implemented an E2E testing framework adopted by **100+ engineers** across **15+ teams** using **Jenkins cron jobs, Docker, Groovy, Bash, and Datadog**
- Architected UI component APIs with **React.js and TypeScript**, consumed by developers on **5+ teams**
- Deployed user experience enhancements across products used by **15,000+ users** from **3,000+ organizations**

IBM

Jan. 2024 – Apr. 2024

Software Developer Intern

Toronto, ON

- Shipped a generative AI application for code explanation and test-case generation on **12M+ lines of code** for **100+ developers** using Amazon Web Services (AWS), React.js, and IBM's WatsonX AI platform
- Increased code explanation accuracy from **30% to 90%** by implementing retrieval-augmented generation (RAG) using LangChain, a FAISS vector database, Python, and the Mixtral 8x7B LLM
- Engineered a rules-based anomaly detection system to verify **\$10B+** in insurance claims using Python and SQL

TD Bank

May 2023 – Aug. 2023

Software Developer Intern

Toronto, ON

- Built a distributed system to defer lengthy portfolio model calculations using **Celery and Python**, saving Portfolio Managers **10+ hours a week**

University of Toronto

Oct. 2022 – Apr. 2023

Research Intern

Toronto, ON

- Contributed to a **university-partnered study with OpenAI** 📄 on AI alignment in the workplace under the supervision of Dr. M. Andiappan 📄 and Dr. G. Hadfield 📄

PROJECTS

Pethsapp 📄 | React Native, Firebase, Google Cloud, Sanity

Jun. 2021 – Present

- Led **team of 5** in developing my former high school's mobile app, used by **1200+** students, staff, and parents
- Reached **Top 15 on the Apple App Store Education Chart**