

Eric Qiu

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EDUCATION

University of Waterloo

Bachelor of Computer Engineering, Honors

Waterloo, Canada

Sept. 2022 – Present

EXPERIENCE

Carta

Incoming Full Stack Engineer Intern

Waterloo, ON

May 2026 - Aug 2026

- Developing AI-powered finance systems and data integration pipelines for subscription management. Working with React, Python/Django, and Kubernetes to build scalable internal tools and APIs that drive operational efficiency.

Faire

Software Engineer Intern

Toronto, ON

Sep 2025 - Dec 2025

- Led the redesign of the Shopping Cart, improving performance by **37%** through launching multi-user collaboration features and engineered custom currency formatter to replace legacy logic across the entire codebase.
- Rebuilt the Brand Cart screen in **Jetpack Compose**, cutting load time by **43%** through optimized state management, reduced re-renders, efficient list updates, and lightweight loading animations.
- Built an **ExoPlayer2**-based video player for the Product Details page, reaching **100%** of Android users and increasing product engagement through immersive video previews, optimized buffering, and seamless playback controls.
- Spearheaded an app-wide refactor of money formatting logic to standardize price display across **20+** screens.

Microart Services Inc.

Software Engineer Intern

Toronto, ON

Jan 2025 - Apr 2025

- Developed a mobile app that uses **Bluetooth Low Energy (BLE)** sensors to monitor wine bottle temperatures across **5+** sensors, tracks temperature updates in the background, and alert users of optimal serving conditions.
- Redesigned onboarding flow by integrating device setup directly into the first-time user experience, reducing setup time by **20%** and improving first-attempt connection success by **30%**.
- Engineered a new BLE system, reducing connection time by **90%** through streamlined pairing and auto-reconnection.
- Built a **Swift** Live Activity widget for iOS lock screen temperature monitoring, integrating it with the **React Native** app.

Questrade

Data Science Intern

Toronto, ON

May 2024 - Aug 2024

- Designed **Python** scripts to flag risky stocks based on volatility and sector, streamlining monthly portfolio analysis.
- Redesigned the client onboarding flow, improving layout and simplifying steps, increasing user acquisition by **25%**.
- Analyzed fee structures across account tiers, identifying cost-saving opportunities, reducing client expenses by **15%**.

Inossem Canada Inc.

Software Engineering Intern

Toronto, ON

May 2023 - August 2023

- Built a **React Native+TypeScript** mobile app to streamline inventory lookup, increasing warehouse productivity by **25%**.
- Built a “Product Transfer Request” page that lets warehouse staff request inventory moves between locations, reducing manual stock reallocation time by **40%** and improving accuracy across sites.

PROJECTS

Dollar 🏠 | Personal finance tracker for Android

- Built a native Android app with **Jetpack Compose** for expense tracking, budgeting, and financial insights.
- Implemented MVVM architecture with reusable UI components, multi-screen navigation, and responsive layouts.
- Designed intuitive UX with Material Design 3, custom theming, and interactive data visualizations.

RedTokBot 🤖 | Bot that fetches stories from Reddit and posts on TikTok

- Trained a custom Text-To-Speech model using **GlowTTS** and **Hifi-GAN** to synthesize realistic speech patterns.
- Leveraged NVIDIA's **CUDA** GPU acceleration to reduce model training time.

SKILLS

Languages: Kotlin, Python, TypeScript/Javascript, SQL, C/C++, Julia

Frameworks: Jetpack Compose, Pandas, React, React-Native, Django, Flask, Next.js, TailwindCSS, Redux

Tools: Git, Linux, GitHub, Docker, Postman, MS SQL Server, PowerBI, Excel, XCode, CUDA, BLE