

EDMOND YANG

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Education

University of Waterloo

Candidate of B.A.Sc. in Computer Engineering, Honours

Expected 2027

Waterloo, Ontario

Experience

Dealer-FX

Software Developer

January 2026 – April 2026

Toronto, Ontario

- Owned end-to-end development of a **React Native** messaging service with **FCM** push, consolidating advisor-to-customer communications into a single mobile interface tied to each repair order
- Reduced chat inbox sync latency over **WebSocket** by **800ms** by removing unnecessary filtering and sorting API calls
- Launched a payment surcharge feature on our customer payment platform in **C#/ASP.NET Web API** and **Angular**, enabling **2,500+** dealerships to recover credit card processing fees on customer transactions
- Migrated **8+** payment workflow screens from legacy Razor views to the internal **Socket UI** design system, eliminating duplicated UI logic across the product

Zomp Inc.

Software Developer

September 2024 – October 2025

Toronto, Ontario

- Built **C#/.NET** applications used by **100+** analysts to detect pipeline corrosion, metal defects, and girth weld features from inline inspection (ILI) sensor data
- Automated Azure integration workflows by developing **RESTful APIs** to synchronize data across **500+** company devices, reducing the manual import workload by **80%**
- Deployed a secure Point-to-Point Azure VPN gateway enabling encrypted access to cloud and on-premise resources while bypassing ISP port 445 restrictions

Mero Technologies

Data Analyst

January 2024 – April 2024

Toronto, Ontario

- Optimized efficiency of **BLE** and **LoRaWAN** networking systems in **Python**, achieving a **20%** increase in RSSI calibration speed between geofence signal readings
- Analyzed sensor telemetry data points from deployed IoT fleets to surface dead-zone patterns and optimize signal coverage

Generis

IT Developer

May 2023 – August 2023

Toronto, Ontario

- Led SEO optimization across **10+** microsites by overhauling on-page performance issues in **JavaScript** and **PHP**, driving a **15%** increase in search term rankings
- Processed data for **5,000+** event attendees using **Python** and **WordPress**, enabling streamlined client management of event summits

Projects

NoteCal | [GitHub](#) | [Website](#)

TypeScript | **React Native** | **Expo** | **Supabase**

- Built a full-stack nutrition tracking app in **React Native/Expo**, using the Gemini API to extract calories, macros, and serving sizes from natural-language food entries
- Architected offline-first sync with **MMKV** local storage and **Supabase** cloud backend with debounced writes

Plantum | [GitHub](#) | [Website](#)

C | **STM32**

- Built an IoT plant monitoring device on an **STM32** microcontroller in **C**, measuring humidity, soil moisture, and ambient temperature with real-time threshold alerts

Technical Skills

Languages: C#, C++, Python, JavaScript, TypeScript, SQL, SystemVerilog, HTML5, CSS

Libraries/Frameworks: .NET Core, ASP.NET, EF Core, xUnit, Angular, React Native, Expo

Developer Tools: Azure, Azure DevOps, Docker, PostgreSQL, Git, Supabase, Postman, Google Cloud Platform