

Darwin Chen

☎ +1(506)897-3819 | ✉ darwinchen8@outlook.com | 🌐 Darwin Chen | 📁 My Portfolio

WORK EXPERIENCE

Software Developer Intern

May. 2024 - Aug. 2025

Ericsson

Ottawa, ON, Canada

- Built React + OpenSearch dashboards for Jenkins pipelines, delivering instant stage-by-stage visibility and reducing triage time.
- Automated error ID validation system in Python (AST-based parsing), eliminating collisions and enforcing conventions used in production.
- Created bulk action Jenkins job management tools, improving CI hygiene and saving engineer hours.
- Advanced pipeline for fault classification via unsupervised clustering (Drain3, MiniLM, HDBSCAN).
- Prototyped LLM-powered failure-cause recognizer using llama.cpp with structured JSON outputs.

Web Developer & Manager

May. - Aug. 2022 - 2025

Pathfinders

Fredericton, NB, Canada

- Led site maintenance & UI enhancements to improve UX; optimized web apps using PHP, HTML, CSS.
- Streamlined the translation process by developing plugins using Google Apps Script (JS).
- Utilized Google Ads, Tag Manager & Analytics targeting global traffic; proficient in Cloudflare, Dreamhost, WordPress, and other hosting solutions.

Teaching Assistant

Sept. - Apr. 2023 - 2025

Queen's University

Kingston, ON, Canada

- Elements of Computing with Data Analytics (CISC 151) & Discrete Structures II (CISC 203).

EDUCATION

Queen's University

Kingston, ON

Bachelor of Computing Honours (Artificial Intelligence Specialization)

Sept. 2021 - Apr. 2026 (*w/ one year internship*)

RELATED EXPERIENCE

Perception Integration Team Lead

Sept. 2023 - Apr. 2024

Queen's AutoDrive - [View](#)

Kingston, ON

- Led integration of vision-based object detection onto SAE Lv.4 AV platform.
- Developed advanced system testing via MATLAB 3D simulations.

Consulting Design Team Manager

Sept. 2023 - Apr. 2024

QMIND - [View](#)

Kingston, ON

- Managed a dynamic team in fine-tuning GPT based backend for client project.
- Optimized LangChain pipeline, enhancing safety and performance of the chat agent.

PROJECTS

On-Device LLM Chat Agent — Python, React Native, llama.rn

- Built React Native application to use quantized LLMs with tool integration for on-device chatbot.

Fishing Data Mapper — Python, React, BS4

[Link to Project](#)

- Scraped lake and fish species data using Python and BS4, stored in JSON format.
- Created an interactive map utilizing React & Leaflet library to visually display the data.