

Darwin Chen

☎ +1(506)897-3819 | ✉ darwinchen8@outlook.com | 🌐 Darwin27264 | 🌐 Darwin Chen

WORK EXPERIENCE

vDU Developer

May. 2024 - Aug. 2025

Ericsson Canada Inc

Ottawa, ON

- Implemented critical development tools for developers in the vDU division using Node.js, React, enabling data visualisation.

Web Developer & Manager

May. - Aug. 2022 - 2024

Pathfinders

Fredericton, NB

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

Teaching Assistant (Elements of Computing w/ Data Analytics)

Jan. - Apr. 2023 - 2024

Queen's University

Kingston, ON

EDUCATION

Queen's University

Kingston, ON

Bachelor of Computing Honours (Data Analytics Specialization)

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

RELATED EXPERIENCE

Perception Integration Team Lead

Sept. 2023 - Apr. 2024

AutoDrive

Kingston, ON

- Led a team in the integration of computer vision-based object detection onto a SAE Lv.4 autonomous vehicle platform equipped with lidar and cameras.
- Spearheaded advancements in autonomous driving technology for Queen's University AutoDrive.

Consulting Design Team Manager — Demo

Sept. 2023 - Apr. 2024

QMIND

Kingston, ON

- Managed and directed a dynamic team in fine-tuning of GPT based backend for specific client project use. Enhanced conversation chain (LangChain), enhancing safety and performance of the chat agent.
- Demonstrated project management skills, delivering innovative solutions for client.

PROJECTS

On-Device GPT Chat Agent — Python, Flutter, GPT4ALL

[Link to Project](#)

- Developed a chatbot using a quantized LLM model & Flutter (Flet GUI) to be ran locally.
- Incorporated various API calls to obtain real-time information & context.

Fishing Data Mapper — Python, React, HTML, CSS, JS, Git

[Link to Project](#)

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

NLP Intent identifier — Java, JavaFX, StanfordNLP

[Link to Project](#)

- Uses StanfordNLP for input processing and pattern matching with dataset to perform categorization.
- Incorporated API calls to respond to commands and emulated a chat-like experience.