CHLOÉ DAULL

✉ chloedaull10@gmail.com ☎ +1 (514) 968 3588

in linkedin.com/in/chloedaull 🔗 www.chloedaull.com

Education

Bachelor in Computer Science, Minor in Economics
2021 - 2024

Core classes: OOP, OS, Data Structure and Algorithms, Machine Learning, Computer Vision, Web Programming

Concordia University
Montreal, QC

French Baccalaureate
2006 - 2021

Specializing in Mathematics, Physics and Chemistry

International French School, Singapore
Singapore, Singapore

Work Experience

Software Developer (Contract)
June 2025 - Oct 2025

369 TechLabs
Montreal, QC

- Developed a user-facing application with **React**, **Node.js**, and **TypeScript**, implementing **20+ core features** including item tracking, data search, and real-time updates for a smart home device.
- Built and maintained **back-end APIs** in **Python** and **JavaScript** to synchronize records between external **MariaDB** and internal **OPFS databases**, using **Redux** to ensure real-time UI updates.
- Designed and implemented **MySQL** databases to manage information for **60+ tracked items**, creating efficient schemas and queries that improved data retrieval speed and supported real-time application features.
- Designed embedded software for a **microcontroller-based device**, integrating hardware and software to enable efficient device operation and persistent tracking of an expanding range of categorized objects.

Software Programmer Intern
Jan 2025 - May 2025

WSP Canada
Laval, QC

- Developed in-house applications with **HTML/CSS** enhancements, improving usability for a department of **200+ employees.**
- Programmed and deployed a **Python**-based Excel processing pipeline on **Azure Functions**, containerized with **Docker** and automated via **Power Automate**, reducing manual processing time by **80%**.
- Built a PDF contract converter in **Python** using **PyPDF2** and **Pandas** to automate organization of **20,000+** client contracts, achieving a **70%** reduction in contract transfer time.

Smart Sales Intern
May 2023 - Aug 2023

Bombardier
Montreal, QC

- Monitored and tracked customer aircraft flight hours and maintenance status.
- Developed an AI-integrated aircraft maintenance prediction model using **MS PowerApps and Power BI**, improving maintenance **forecasting accuracy by 40%**.

- Collaborated in a **team of 4 engineers**, managing cross-functional workflows, setting sprint goals, and conducting daily stand-ups to ensure timely project delivery.

Hangar of the Future Intern   June 2019 - July 2019

Airbus   Singapore

- Introduced to the office work environment - Gained insight on how Airbus planes are taken care of while in hangars.
- Worked on the Hangar of the Future Project which had a mission of integrating AI into aircraft maintenance checks.

Projects and Competitions

Computer Vision Project

Concordia University   Python

- Implemented homography estimation using **RANSAC** and **Gaussian filtering** with **NumPy**, aligning and overlaying **10,000+** images.

Research Assistant - Advanced Database Technology and Applications

Concordia University   Java

- Research Assistant for The Case of Learned Index Structure Project, using **ML algorithms** for better performance in index querying with Bloom filters, B-Trees and HashTables.

EngWeek Programming Competition

Concordia University   Java

- Built a city traversal simulation applying **BFS** and **Dijkstra's algorithms** to manage multi-car pathfinding in a graph-based road network.

Certifications

Amazon Web Services Cloud Practitioner Certification   Nov 2025

Technical Skills

Programming | Java, Python, C++, SQL, CSS, HTML, JavaScript, JSON, Node.js, React, TypeScript

Framework & Tools | MS Office, MySQL, Git/GitLab, Docker, VS Code, Linux, OpenCV, Power BI, Azure, NumPy

Languages

French - Mother tongue   *English* - Native Proficiency   *Korean* - Conversational

Hobbies & Sports

Long distance running - Marathon runner

Rock climbing - 6 years of rock climbing experience

Piano - ABRSM Theory Grade 5, Passed with great distinction