

Derek Gallagher

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows 10/11 • Linux

Programming | Java • JavaScript • HTML • CSS • PostgreSQL • Node.js • PHP • C • Python

Languages | French | Spoken & Written • English | Spoken & Written

WORK EXPERIENCE

SAP Functional Intern – National Research Council Canada

May 2025 – Aug 2025

- Designed Power BI dashboards and performed data analysis to track ticket metrics and provide insights on team performance
- Gained hands-on experience in SAP ERP, including testing of financial signing authorities and managing roles in SAP SuccessFactors
- Helped redesign the ticketing system's category structure using ITIL principles and supported SMO change initiatives with ADKAR practices.
- Triageed and resolved SAP functional tickets by assigning them to the correct SAP modules, streamlining request handling across the team.

Software Quality Assurance Intern – Matrox Video

Sep 2024 – Dec 2024

- Applied testing methods to evaluate the functionality of Matrox hardware and graphics boards
- Writing PowerShell scripts to facilitate and automate tasks
- Enhance test plans by refining the test cases and logging issues in Jira and TestRail
- Testing across multiple operating systems (Windows, Linux) and various kernel environments

Sandwich Artist – Subway

Sep 2022 – Sep 2024

- Preparing menu items according to Subway's recipes
- Greeting and assisting customers with menu selections, and providing recommendations
- Handling cash transactions and operating the POS system

Grocery Clerk – Provigo

Mar 2020 – Sep 2022

- Focused on both customer service and merchandising in a retail, customer-facing environment
- Ensured proper inventory management and product display, leveraging good organizational skills
- Commitment to safety and teamwork in the workplace

PROJECTS

Discord-like Communication Platform (<https://github.com/AlexLuangxay/SOEN341-GAVDAGS>)

2025

- Built a team communication platform with React, Bootstrap, Python, JavaScript, and MySQL on AWS
- Implemented real-time text channels, direct messaging, and role-based user permissions using web sockets
- Added advanced features including voice-to-text transcription, media editing, and user status indicators
- Optimized database design and server integration to ensure scalability and reliable performance

CRM Scheduling App (https://github.com/Derick12345678/scheduling_app1)

2024

- Built a scheduling web app with PHP, MySQL and Apache and Bootstrap
- Designed a dynamic calendar with AJAX, allowing real-time fetching and display of appointments
- Implemented a responsive client data table using jQuery, allowing the management of customer information.
- Added an import function to allow the upload of customer lists into the database

- Concordia Code Jam Hackathon** (<https://github.com/zaifnatra/spaceus>) **2023**
- Developed an algorithm to generate random mazes of variable sizes by manipulating 2D arrays
 - Worked backend on a collaborative java project
 - Used GitHub to work with a team of coders

- Remote Controlled Car** **2022**
- Created a Bluetooth controlled Arduino car
 - Built a 3D-printed base, and connected the components to the Arduino
 - Coded the driving mechanism for the car in C

EDUCATION

- Bachelor of Engineering – Software Engineering Co-op** **2023- 2027 (Expected)**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
 - Relevant courses: Object-Oriented Programming, Data Structures and Algorithms
 - Current **GPA 3.6**

- Science DEC – John Abbott College** **2021- 2023**
John Abbott College, Montreal, QC
- Pure and Applied Sciences
 - Dean’s List Student (2021-2023)
 - Varsity men’s volleyball (2021-2022)

INTERESTS & HOBBIES

Volleyball

For the last few years, I’ve been drawn to volleyball for its fast-pace and strategy. The game always keeps me on my toes, and I enjoy the quick decision-making that is needed in the sport. Playing volleyball has helped me develop resilience and communication skills, as well as a strong commitment to my team. Whether it be indoors or beach, I’m always more than happy to be playing!

Fishing

Ever since my friend asked me to go fishing with him, fishing has become an enjoyable pastime for me. It seems so boring yet offers a mix of patience, skill, and relaxation. I enjoy the anticipation of each catch. Being outdoors is refreshing, and every fishing experience feels rewarding, whether it’s catching something or simply enjoying the sunrise.