

Summary

Database manager with 3 years of experience in relational database development and optimization with complementary experience in front-end development.

Skills

- *Proficient:* C/C++, Java, Python, PHP, databases (MySQL, MongoDB, DB2), OCaml, Git
- *Experience:* Assembly, REST API, Angular, Vue, HTML5, JS, TS, CSS3, Agile/Scrum

Work Experience

<i>Office assistant</i>	Maude Abbott Medical Museum	2021 – Present
<ul style="list-style-type: none"><li>• Maintain the museum’s <a href="#">website</a> using Drupal CMS.</li><li>• Refactor the database for the museum’s archival collection, enhance productivity and accessibility by writing PL/SQL queries, views, and automated procedures.</li><li>• Plan and execute sustainability and organizational improvements for both the digital and physical museum collections.</li><li>• Lead educational tours of the museum; give presentations to visiting groups; solicit donations and respond to constructive feedback.</li></ul>		

Projects

- 2024 – *Marketplace Application* – Expanding on an academic project, I designed a full-stack Java/DB2 application which mimics web stores like Amazon or E-bay. The application includes a sophisticated UI and features like user login, filtered search, shopping cart, and order history.
- 2023 – *QChess* – I wrote a basic chess interface from scratch exclusively in OCaml with TSDL, a library that refactors C++’s SDL2 graphics package for OCaml.
- 2022 – *Image Processing Application* – I designed and wrote an image processing application in Python that scans 3D confocal microscopy images of insect epithelia, flagging samples containing anomalies consistent with cancerous protein expression, accelerating epithelial cancer research under Dr. David Hipfner.

Education

<i>Concordia University, Montreal, QC Canada</i>	
<i>Graduate Diploma – Computer Science</i>	2024 – Present
<i>McGill University, Montreal, QC Canada</i>	
<i>Certificate of Proficiency – French for Professional Communication</i>	2024 - Present
<i>Bachelor of Science – Anatomy &amp; Cell Biology, Computer Science</i>	2020 – 2024

Volunteer Experience

<i>First responder</i>	McGill Student Emergency Response Team (MSERT)	2021 – 2024
<ul style="list-style-type: none"><li>• Respond to medical emergencies under pressure in various contexts with speed and accuracy as a team.</li><li>• Consistently report to 4–12-hour shifts and biweekly trainings to maintain skills and quality of care.</li></ul>		
<i>IRP committee</i>	Student Society of McGill University (SSMU)	2022 – 2024
<ul style="list-style-type: none"><li>• Work on small team to uphold SSMU’s involvement restriction policy (IRP) by investigating and acting on reports of misconduct by members of the McGill community.</li></ul>		