

Vick Gill

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[portfolio](#) | [linkedin](#) | [github](#)

SKILLS

Programming Languages Python | Java | JavaScript | HTML | CSS | Typescript | Swift | C | C++ | PHP | MATLAB
Technologies MySQL | Firebase | MongoDB | Node.js | Docker | Kubernetes | Azure | RESTful APIs | JUnit
Data Science & Frameworks Pytorch | Scikit-learn | Pandas | NumPy | React.js | Tailwind CSS | Angular | Django

EXPERIENCE

Back-End Developer

Jan 2024 - Apr 2024

CircleCVI | (Internship)

Calgary, Alberta

- Engineered robust **MySQL Stored Functions/Procedures** to ensure database integrity and consistency, vital for maintaining reliable **DICOM data**.
- Utilized **Python for scripting and automation**, streamlining back-end processes and improving overall **data management workflow**.
- Played a key role in improving the in-house tool for **managing DICOM data**, significantly boosting **data access efficiency** and meeting diverse development and testing needs.

Systems Analyst

Jun 2023 - Dec 2023

Zedcor | (Part-Time)

Calgary, Alberta

- Proactively monitored **Genetec system performance**, identified bottlenecks, and implemented optimization strategies to enhance system reliability and performance.
- Configured and **programmed sensors using PHP and MySQL** to enhance security measures and ensuring efficient monitoring of critical areas.
- Increased system efficiency by ~5%** by optimizing red zones, filters, and **training object analytic models**.

IT Consultant

Apr 2022 - Apr 2023

ATF Logistics | (Full-Time)

Woodbridge, Ontario

- Contributed to the **successful integration** of new fleet management software by **developing a customized solution** tailored to the company's unique requirements, **reducing expected integration time by 20%**.
- Demonstrated exceptional troubleshooting skills by effectively **identifying and resolving errors** in the software and keeping the staff up to date with the **latest functionalities and updates** through regular briefings.

Full-Stack Developer

Sep 2021 - Apr 2022

Carnostic Inc. | (Internship)

Toronto, Ontario

- Participated in the full life-cycle of **front-end and back-end features**, including research, implementation, and maintenance, ensuring a seamless user experience.
- Utilized **Sketch** for design visualization and **Java for implementation**, contributing to a polished and intuitive UI that improved user engagement and satisfaction.

EDUCATION

Master of Software Engineering (M.Eng) - Emphasis in Machine Learning

Graduated: May 2024

University of Calgary | GSA Academic Vice Chair | 4.0 GPA

Calgary, Alberta

Bachelor of Biomedical Engineering (B.Eng)

Graduated: May 2022

University of Guelph | Dean's Honour List | Robotic's Team | Engineering Society

Guelph, Ontario

NOTABLE PROJECTS

Improving Nutrition for Medically Complex Children - iOS Application

Feb 2024 - Present

Full-Stack Developer

Calgary, Alberta

- Collaborated closely with nurses from **Alberta Health Services** to develop an innovative **iOS application** aimed at enhancing nutrition for medically complex children. Utilized **Swift and Firebase** to create a user-friendly and accessible mobile app.
- Machine learning algorithms** were implemented to personalize feeding plans and a **chat-bot that interacted with the database**.
- Achieved **2nd place in a competitive hackathon** event and currently contributing to **further development**.

Neo Financial's "Tech Thursdays" Web Application

Aug 2023 - Dec 2023

Full-Stack Developer

Calgary, Alberta

- Contributed to the development of an event-specific website for Tech Thursdays, a series of technology-focused events sponsored by Neo Financial in Calgary & Winnipeg. Utilized **React for front-end and Drupal for back-end** to boost user engagement and visibility.
- Collaborated with a development team** to implement features including user auth, event and speaker management, registration/ticketing, sponsor partnerships, and email communications.
- Ownership was transferred** to Neo Financial, who are currently responsible for maintaining the web app.