JEREMY FRIESEN

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EDUCATION

Bachelor of Computer Science, Artificial Intelligence and Machine Learning Stream Honours
Carleton University, Ottawa, ON   September 2022 - Present

- Second year standing, CGPA 10/12 (letter grade of A-)

- Major CGPA 10.14/12 (letter grade of A-)

- Honorary member of the Dean's honour list for academic excellence

- Awarded the Harry S. Southam in-course scholarship valued at 2,000$

- Expected Graduation Date: May 2027

AVAILABILITY

Available for 4 or 8 months beginning May 2024

RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS

Technical Skills

- Developed a single-page weather app using Express, SQLite, JavaScript and PUG, demonstrating full-stack development and integration skills

- Created an A.I. model for predicting snow days using Python libraries, showcasing problem-solving and analytical abilities

- Proficient in Python, Java, JavaScript, HTML, and SQL commands, with practical experience in C and Git version control, applied in various projects

- Able to successfully navigate across Microsoft and Linux operating systems, demonstrating technical adaptability and proficiency in different systems

Communication Skills

- Led a team project in C programming language, enhancing group coordination and effective communication

- Bilingual in French and English, with conversational skills in Spanish, enabling clear and diverse communication

- Successfully presented a hackathon project to a panel, securing 3rd prize, highlighting public speaking and persuasion skills

APPLIED PROJECTS

Ottawa Snow Day Predictor (using A.I. model)   October 2023 - January 2024

- Used historical data from Greater Ottawa Region to create and train a random forest classifier that can help predict future school closures for snowstorms (or snow days)

- Developed an HTML website with an SQLite database and server with admin capabilities to help store previous data and predictions, showcasing technical expertise

- Implemented Flask API to integrate A.I. and deployed app using Docker Compose, showcasing multi-faceted approach

[Multi-threaded Ghost Hunter Simulation](#)   November - December 2023

- Developed in a team as a pair programmer, where threads can navigate and concurrently interact with each other using linked list structures, enhancing teamwork and technical skills

- Implemented in C, using pthreads showcasing a deep understanding of concurrent programming, thread synchronization, and memory management in a low-level programming context.

- Coordinated version control for project using Git and GitHub, utilizing written and verbal communication skills

[Current Weather and Snow Day Predictor](#)   October - December 2023

- Developed a single-page weather application using an external API, coupled with HTML pages rendered using PUG (and CSS) which includes an SQLite database and an Express server demonstrating technical versatility and problem-solving abilities

- Containerized the application using Docker, illustrating thought towards user deployment and experience

- Created the SQLite database to store users (guest or admin) and to record feedback provided by guest users, showing proficiency in database management and attention to user engagement

WORK EXPERIENCE

Cashier, Lot Associate   July 2022 - Present
The Home Depot, Kanata, ON

- Providing routine customer service and satisfaction by constantly engaging with customers, listening to, and fulfilling their project needs

- Praised for excellent service by receiving 'Cashier of the Month' award in May (2023)

- Assisting in loading heavy merchandise for customers, demonstrating flexibility while putting customers first

EXTRA-CURRICULAR ACTIVITIES AND CERTIFICATIONS

Hackathons
[InnovateNow!](#)   October 2nd - October 3rd, 2023

- Demonstrated capable technical and communication skills by placing 3rd at InnovateNow! team competition

- Collaborated with team members to appropriately develop and pitch a successful project idea to panel following guidelines and regulations to competition, showing attention to detail

Certifications
HackerRank Certifications   November 2nd - December 2nd, 2023

- Certified by HackerRank for basic understanding of [Java](#), [Python](#) and [JavaScript](#) languages, showcasing an established foundation and awareness of multiple languages

Machine Learning Courses   October 22nd, 2023

- Completed [Intro to Machine Learning](#) and [Intermediate Machine Learning](#) courses by Kaggle, serving as an early stepping stone to the integration of A.I. in future projects