Brendan Goddard

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https://brendangoddard.vercel.app/

EDUCATION

Computer Programming Analyst Advanced Diploma — Fanshawe College, London ON
January 2023 - Present - 3.4 GPA

TECHNICAL EXPERIENCE

C++	SQL	Python	Git	OOP	React
JS	C#	HTML	Java	Unity	

RELEVANT SOFTWARE PROJECTS

Scaling Tool — Bell Canada

Spring 2024
- Utilized Node JS to create a website application for use of Network Managers to scale and price out business ventures for future investments
- Leveraged a backend system to pull data from servers and calculate multiple different fields. Created lots of calculation methods, as well as appended data to tables and arrays behind the frontend to be stored for future calculations. Once calculations were completed on data, the new data was submitted to tables on server to be stored for next usage.
- Implemented an approach where the application was designed inside of a tool like Figma first, then developed on GitLab.
- Self guided the development for it, and worked alone to create the application, as well as participated in review meetings to go over next steps and wishes for development. Handed off development at the end of coop term, and helped to onboard someone to finish up any leftover work.

Data Scrubbing Python — Bell Canada

Spring 2024
- Utilized python to scrub through data folders, and clean them out based on certain priorities, such as modified dates, file types and more.
- Branched python to sql, and allowed for automation of SQL server scripts that pull data from excel files using sql connector python library, and python excel libraries
- Solo Developed and maintained a react front end tool used to visualize and compute data, Saving the user time that would have gone towards calculation.

Personal Website — Ongoing, Personal

2023
- Leveraged React's component-based architecture to create an interactive and responsive portfolio, showcasing not only technical understanding but also a keen eye for design and user interface aesthetics, elevating the online presentation of personal projects and skills.
- Employed JavaScript to incorporate engaging animations in the portfolio, adding a touch of interactivity that makes the user experience more enjoyable and memorable, showcasing my ability to create dynamic and user-friendly web content.
- Current code https://brendangoddard.vercel.app/

SQL Database — Fanshawe College, School
Summer 2023

- Developed a suite of SQL functions and stored procedures to streamline data manipulation and retrieval processes, enhancing database efficiency and allowing for easy maintenance and scalability. Utilized transactions to ensure data integrity and consistency.
- Successfully executed complex SQL queries and transactions, showcasing a deep understanding of SQL query optimization techniques, and effectively leveraged the power of SQL Server to deliver a highly functional and reliable database solution for class projects.

WORK & VOLUNTEER EXPERIENCE

Software Developer Intern — BELL Canada , *London ON*
January 2024 - April 2024

- Created a new internal tool for Bell Canada, using Node JS and SQL, to allow managers to view and add records for calculating certain business costs. Utilized a frontend and backend system to pull data from a server as well as put new calculated data onto a table on the server.
- Worked under the automation and business intelligence team, in order to provide easy to read and optimized data for network teams, as well as scripts to automate certain excel operations
- Utilized python to make multiple scripts that allowed for simplified workflows, as well as less reliance on a person to execute data queries to servers, as well as folder and file cleanup
- Participated in weekly team meetings, as well as larger team meetings, and provided a fresh set of eyes to certain problems.

Team Leader — BTRMLK, *London ON*
September 2021 - January 2024

- Performed in store duties, such as maintaining industry standards in regards to safety and operation
- Worked through extremely busy rush hours, while maintaining customer satisfaction
- Train new employees on the company practices regardless of position
- Helped develop company practices such as optimizing our frying, as well as helped with creating breading techniques

Mentor & Volunteer — First Robotics Competition Team 3739 (Oakbotics), *London ON*
April 2022 - Present

- Volunteered as a programming & strategy mentor for high school students who are interested in STEM through the FRC program.
- Worked on implementing a neural network to the robot, allowing it to find where game pieces are, and autonomously drive itself over to it
- Helped guide students on how to implement a spline path following application, allowing our robot to accurately follow paths on its own
- Supported students through hands-on learning, helping senior students become mentors to the younger students, and strengthening our student base in the team.
- Worked towards making full robot capabilities autonomous, such as picking up pieces, driving to places to score, and automating the states of the robot.

AWARDS

Academic Excellence — Oakridge SS, *London ON*

2016 - 2021

- Achieved academic excellence every year during highschool, as well as balancing a multitude of extracurricular activities

Dean's List Nominee — Oakridge SS, *London ON*

April 2019

- Nominated by my peers and mentors for the Dean's List award, which celebrates student with exceptional leadership abilities and academic achievements

Chairman's Award — First Robotics Competition

April 2019

- Team was awarded the highest award and honor in First Robotics, Chairman's award embodies the spirit of giving back and measures how much community impact a team has had during its lifespan

London Kiwanis Gold — London Kiwanis, *London ON*

March 2019

- Performed at London Kiwanis with multiple music groups, where our performance was graded gold, and won best in class with Senior Band