Dominic Gartner

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EDUCATION

University of Calgary   **Calgary, Canada**
Bachelor of Science in Engineering (Software Engineering)   *September 2021- Present*

SKILLS & INTERESTS

Skills: GitHub, Visual Studio Code, Xcode, Microsoft Office-2019(Word, Excel, PowerPoint), HTML5, CSS3, JavaScript, ReactJS, C/C++, Python, SQL, MySQL, database design, relational databases, Assembly, Java, OOP, Web development, Terraform, AWS

Interests: Artificial Intelligence and Machine Learning, Embedded Programming, Web Development

WORK EXPERIENCE

Dealfinder-9000   **Remote**
Front-End Developer, Part-time   *September2023-Present*
- Working part-time for a tech start-up as the lead front-end developer, creating the website for the company
- Technologies being used: Next.js, TypeScript, Google Firebase

The Brick   **Calgary, Canada**
Merchandiser, Part-time   *July 2021-Present*
- Currently working part-time as a merchandiser at The Brick, Sunridge. My responsibilities include building and displaying store furniture, prepping and coordinating client deliveries, facilitating customer pickups, and various other warehouse duties

Taste of Calgary   **Calgary, Canada**
Customer Service   *2017- 2019*
- I worked at the Taste of Calgary for two summers taking orders, serving food, handling money, and talking to the public in a very fast paced environment

PROJECTS

Data Structures | Java
- Re-created data structures such as SLL, DLL, CDLL, CSLL, queue, stack, AVL tree, and BST.
- Apache Maven used to build importable module of the data structures

Full Stack Obituary Website | ReactJS, HTML, CSS, Python, Terraform, AWS, ChatGPT API, Cloudinary
- Published an obituary web application which uses amazon services such as amazon polly, AWS Lambda, AWS Parameter Store, and DynamoDB
- Incorporated Cloudinary to store and manipulate user image inputs
- Implemented Python functions to access API's

Animal Shelter | Java, SQL
- Implemented a solution to a client problem which creates the most optimal schedule for a client based on an SQL database
- Fully documented, modeled, and tested application
- Incorporates a GUI and allows for database manipulation

STUDENT CLUBS

Schulich Unmanned Aerial Vehicles (SUAV) (Student Club)   **Calgary, Canada**
Software Team Member   *October 2022 - Present*

- This is a team of engineering students at the University of Calgary tasked to design, create, and test an **autonomous drone.**
- The club competes at an international competition in Maryland where universities from around the world showcase their achievements and compete for the winning title
- My specific responsibility is focused on **machine learning**, specifically with creating a neural network for **detection and classification** of shapes, colors, and letters

ACHIEVEMENTS

Dean's List   **Calgary, Canada**
                                                                                       August 2022, August 2023
- **Faculty of Science dean's list** for the 2021/2022 and 2022/2023 school year at the University of Calgary. Currently holding a gpa of **3.852.**

High School Excellence   **Calgary, Canada**

CERTIFICATIONS

Tech Stewardship   **Calgary, Canada**
                                                                                                      August 2022
- **Engineering ethics course** focused on ethical creation and implementation of future technology

TCPS 2: Core Research Ethics   **Calgary, Canada**
                                                                                                        May 2022
- **Research ethics course** provided by the **government of Canada**
- Course was required to carry out research involving human participants – including their data and/or biological materials

VOLUNTEERING

Saint Vincent de Paul Food   **Calgary, Canada**
TD Tree Day   **Calgary, Canada**
Inn From the Cold   **Calgary, Canada**