Justin Carr

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Objective: Passionate computer engineering graduate seeking a junior software developer position to apply and expand my programming skills, within a dynamic tech-focused environment.

Summary of Qualifications

- Computer Engineering (BASc) with a business certificate.
- Subset of relevant courses taken: Object Oriented Programming, Programing Language Processor, A.I. & Interactive Systems, Machine Learning & Deep Learning, Performance Analysis, Database System Management, Operating Systems, Computer Networks, Performance Analysis.
- Proficient in Python, C++, SQL, Java, Microsoft Office, MATLAB, SolidWorks, HTML, PHP, JS, CSS. VBA.

Education

Bachelor of Engineering and Applied Science | Queen's University
Major: Computer Engineering, specialized in Artificial Intelligence
Business Certificate complete, Smith School of Business

Relevant Engineering Projects and Experience

Digital Systems Engineering Project

- *Designed, implemented, and simulated Risc-style computer on Quartus II. Consisted of Risc processor, memory, and I/O. Implemented on physical Altera Cyclone V chip.*

Developed a Neural Network and GUI to count calories in workout videos

- *Collaborated with 3 engineering students to create a neural network that could predict a workout being done and the calories burnt in an input video. Additionally, created web-based front end with a database for users.*

Configured and programmed a small vehicle to navigate autonomously

- *Collaborated with 2 engineers to code an Arduino IDE sketch that allows a vehicle we created to navigate from a starting point to a target location and back without hitting randomized obstacles.*

Experience

GENERAL LABORER | Stevens Quality Home Improvement   *June 2023 – August 2023*

- *Successfully navigated day to day operations/installation of materials required to repair and replace exterior home decor. Team oriented work.*

COMPUTER ENGINEER | RTG Systems Inc.   *May 2022 – August 2022*

- *Built Database on Microsoft Access, created extensions for AutoCad, automated tedious tasks, Individual work.*

PRO SHOP STAFF | Savannah Golf Links   *May 2021 – August 2021*

- *Managed bookings, merchandise sales, front desk, tracked course pace, and opening and closing duties for the course.*

Additional Skills and Information

- Avid intramural sports participation including volleyball, dodgeball, hockey, and basketball. Love team building activities and sports. Participated in fundraising through the Cure Cancer Classic which is a student led non-profit organization that raises money for cancer research. Ran a construction program in high school to sell wooden chairs and raise money for woodworking equipment and overhead. Previously Hockey Referee and general laborer for Carr Industrial.