

Justin Carr

17 Stoney Brae, St. George, ON | 519-750-2869 | justinwcarr20@gmail.com

Objective: Gain experience and knowledge through tech focused position.

Summary of Qualifications

- Computer Engineering (BASc) student, alongside a business certificate.
- Python, C, C++, SQL, Java, Microsoft Office, MATLAB, SolidWorks, PHP, JS, CSS.
- Strong mathematical skills and ability to problem-solve.
- Strong machine learning and artificial intelligence knowledge.

Education

BACHELOR OF ENGINEERING AND APPLIED SCIENCE | QUEENS UNIVERSITY

- Major: Computer Engineering, streamlined in artificial intelligence with a business certificate in progress.

BUSINESS CERTIFICATE | QUEENS UNIVERSITY | 2023-2024

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 IMPROVEMENTS | JUNE 2023 – AUGUST 2023

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

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.

COMPUTER ENGINEERING INTERN | RTG SYSTEMS INC. | MAY 2022 – AUGUST 2022

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

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.