

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, Programming 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, JS, CSS, VBA, React.

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

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.*

Side project discord-bot

- *Created discord bot for friends to expand JavaScript knowledge, gain experience with docker and CI/CD, and practice OOP. Additionally, improved CSS and HTML skills by creating custom blackjack table images.*

Experience

Software developer | 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.
- Enjoy front-end design as hobby and doing coding projects that have interactable products.
- Previously Hockey Referee and general laborer positions.
- Currently creating react application with firebase as business project.