

Justin Carr

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Objective: Passionate computer engineering graduate seeking a 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. Business Certification.
- Extremely eager to grow individually while providing value to others.

Education

Bachelor of Engineering and Applied Science | Queen's University

Major: Computer Engineering, specialized in Artificial Intelligence

Business Certificate | 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 (Python)

- *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, we created web-based front end with a database for users.*

Compiler Project

- *Modify a small but real programming language compiler ("PT Pascal") to implement a new language. Programming done in Pascal using the PT Pascal compiler itself. Using the S/SL compiler construction tools.*

Experience

Software developer | RTG Systems Inc.

May 2022 – August 2022

- *Built Database on Microsoft Access, created extensions for AutoCad, automated tedious tasks, Individual work. Learned new languages and implemented company solutions individually.*

Full-Stack Developer | Cactus (self-startup)

September 2023 – Present

- *Working alongside motivated individuals to establish a company from the ground up. Involved in business development, but mostly full cycle development. Experience with many frameworks (Laravel, ReactJS etc.), version control, API development, docker and most importantly learning the full cycle of not only a large-scale business project, but also the collaboration and growth that comes alongside.*

Additional 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 a hobby and doing coding projects that have interactable products.