

# 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.

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## 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.
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## Education

**Bachelor of Engineering and Applied Science | Queen's University**

*Major: Computer Engineering, specialized in Artificial Intelligence*

*Business Certificate complete, Smith School of Business*

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## 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.*

### 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.*

### Cactus - Start-up

- *Created app from idea to deployment for a centralized reward system to give users a better, more seamless experience when using rewards systems. Benefits both the company and the user and proposed to be SAAS.*
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## Experience

**Software developer | RTG Systems Inc.**

**May 2022 – August 2022**

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