

# CARSON BROWN

905-252-8702 | [www.zaymus.github.io/Portfolio-Website](http://www.zaymus.github.io/Portfolio-Website) (WIP) | [victor.brown@dcmail.ca](mailto:victor.brown@dcmail.ca)

## *A tech enthusiast and passion for technology, computers and coding*

### PROFILE

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- An enthusiastic and passionate Computer Programming and Analysis co-op student; motivated to combine the art of design with the art of programming
- Trained in translation of the UI/UX design wireframes to actual code that will produce visual elements of the application.
- Able to work with various team members and stakeholders; experience working as consultant; successfully helping clients with user customizations for their pages.
- Learned how to develop new user-facing features, build reusable code and libraries for future use, ensure the technical feasibility of UI/UX designs, and able to optimize application for maximum speed/scalability.
- Dedicated to assuring that all user input is validated before submitting to back-end.
- Good understanding of asynchronous request handling, partial page updates; basic knowledge of image authoring tools, to be able to crop, resize, or perform small adjustments on an image.
- Proficient understanding of cross-browser compatibility issues and ways to work around them; proficient understanding of code versioning tools; good understanding of SEO principles.
- Recipient of the Computer Science Award (2019).

**HTML5 / CSS3 | JavaScript | PHP | Python | SQL / PostgreSQL | Java | C/C++ | #C  
Linux | .Net | Git/GitHub**

### EDUCATION

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**Computer Programming and Analysis Advanced Diploma**, Durham College Expected 2023

- Relevant Courses: Introduction to Programming, Databases I, Data Communications, Web Development I and II, Object Oriented Programming I and II.
- GPA in year one: 4.92 / 5.00 (98% average) with Honour Roll standing.

**Python3, Computer Science, HTML, JavaScript Certifications**, Codecademy – Online 2021

- Relevant Skills: Python Language (basics -> classes and objects), data structures (linked lists, queues, stacks, heaps, trees, etc.), HTML basics and semantic HTML, JavaScript Language (basics -> classes and objects).

**Full Stack Engineer Certification**, Codecademy – Online Expected 2022

- Relevant skills: web development with HTML, CSS and JavaScript, website interactivity, responsive design, React, Redux, back end development with JavaScript and SQL.

### RELATED EXPERIENCE

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**Web Developer**, Sherlock's Escapes 2021 – Present

- *Update escape room content and information to reflect changes made by the management team*
- *Redesign layouts to improve the overall user experience and to ensure that users find the information they need in the least amount of time possible*
- *Work closely with Xola (booking system) to allow customers to book any type of experience they prefer at any time of the day via the website.*
- *Utilize Jira to track and manage my workload; allows management to add new work for me to see and for them to view my progress on existing tasks*

- **Recognized for efforts in improving design, user experience and quick turn around time with respect to completing tasks.**

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### RELATED EXPERIENCE

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- Instructor / Curriculum Developer**, Robot No. 1 Education 2020
- Taught groups of children robotics and various topics including VEXCODE VR, Arduino, LEGO WeDo.
  - Educated students on Computer Science topics and principles with a focus on Object-Oriented Programming
  - Provided feedback on the progression of students to assist them with their learning goals.
  - **Received positive feedback from students and their parents, resulting in numerous students that registered for the next course level.**
- Captain and Lead Programmer**, VexU Robotics Team PIVX and NXS 2019 – 2021
- Develop automated systems to complete automated tasks effectively.
  - Created sub-systems to ensure efficient and organized code.
  - Collaborated closely with engineers to ensure optimal sensor placement and use, along with system automation to assist the driver during task completion.
  - **Received positive feedback; ranked 10<sup>th</sup> out of 200 other team participants (worldwide).**
- Programming Instructor / Curriculum Developer**, Toronto Robotics Society 2019 – 2020
- Used passion for coaching, leading and inspiring future programmers; created and facilitate lesson plans; developed practice questions to encourage retention.
  - Inspired creativity and curiosity in students; created safe, comfortable and engaging classrooms.
  - Tracked each student's progress and provided feedback for improvement.
  - **Received positive feedback from students due to inclusive and clear teaching style.**
- Robotics Programmer**, STEM Minds 2017 – 2018
- Developed programs for NAO assistant robot; developed portable software to assist teachers with attendance, student medical information, and protocols.
  - **Received positive feedback due to strong programming skills.**
- Camp Counsellor**, Robotics Summer Camp 2015 – 2016
- Used passion for coaching, leading and inspiring future programmers; created and facilitate lesson plans; developed practice questions to encourage retention.
  - **Praised from compassionate and collaborative leadership style.**

### OTHER EXPERIENCE

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- Parts Advisor**, Alta Nissan 2018 – 2020
- Organized and coordinated motor vehicle parts both receiving goods in, cataloguing/storing goods.
  - Identified customer requirements; maintained parts stock and records, including audits and stock check.
  - Processed parts orders efficiently; contributing to departmental compliance with company policies.
  - **Achieved high level of customer satisfaction.**

### RELEVANT TECHNOLOGY AWARDS

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VEXU Canadian Championship Champion | SWMSS Computer Science Award | Ontario Robotics Champion

### RELEVANT TECHNOLOGY AWARDS

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**Co-Founder**, Toronto Robotics Society

2019 – Present

- Develop vision and mandate of the society; market and raise awareness to increase membership.