

Bryce Hughson

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EXPERIENCE

UNIVERSITY OF WINDSOR | WEB PROJECT COORDINATOR

May 2019 - June 2020 | Windsor, Ontario

- Decreased website load time by **93% from 14.5 seconds to under 1 second** (www.learn.uwindsor.ca/plan-your-program).
- Reduced amount of daily spam bots on University of Windsor forms from **167 to 0**.
- Created over **20 JavaScript scripts** that are used on over **200,000 University of Windsor websites** everyday.

ESPORTS COMMITTEE | WEBSITE DESIGNER, ASSISTANT COACH AND CASTER

October 2019 - Present | Windsor, Ontario

- Responsible for creation of **front-end development** of website using **HTML, CSS/Bootstrap4, and JavaScript**.
- Schedule, plan, and conduct practice sessions, followed by review and evaluation to enable players to reach optimal performance.
- Play by play caster for the official League of Legends varsity team.

UNIVERSITY OF WINDSOR | TEACHING ASSISTANT

January 2019 - Present | Windsor, Ontario

- Assist in instructing and grading labs for our **Game Development, Design, and Tools** course
- Provide tutoring hours and assist students with various **algorithms and programming concepts in C#** and how it interacts within the Unity environment.

CANADIAN UNDERGRADUATE COMPUTER SCIENCE CONFERENCE 2019 | WEBSITE DESIGNER

September 2018 - July 2019 | Windsor, Ontario

- Remodeled the conference website with **HTML5 and CSS3** to up to date standards, along with **debugging and troubleshooting** and issues using **JavaScript and JQuery**.
- Managed website version control using **Git** and deployment with **Digital Ocean and BitBucket**.

EDUCATION

UNIVERSITY OF WINDSOR | B.C.S IN APPLIED COMPUTING

September 2017 - April 2022 | Windsor, Ontario

PROJECTS

MONDAY.COM DATA VISUALIZATION

September 2020 - Present

- Creating a **data warehouse** from data stored in Monday.com using its **GraphQL API** to map individual data fields to a 1NF database.
- Hired by Landscape Effects Group through **Google's Student Developer Club** to create this for report generation, document creation and Key Performance Indication alerts.

WEBCAM MOTION DETECTOR | [HTTPS://GITHUB.COM/BRYCE-CREAM/WEBCAM-MOTION-DETECTOR](https://github.com/Bryce-Cream/webcam-motion-detector)

June 2020

- Utilizes **Python and OpenCV2** to access the user's webcam, capture the video and track any motion made.
- Continuation of this project will lead to recognition of specific body parts to create applications for people with physical disabilities.

SKILLS & TOOLS

PROGRAMMING

JavaScript • C# • Python • Java

TOOLS & OTHER

Unity • Drupal7 • Git • Digital Ocean

WEB TECHNOLOGIES

HTML5 • CSS3 • JavaScript • GraphQL • PHP • SQL

EXTRAURRICULARS

BorderHacks 2020

Mentored over 800 hackers in JavaScript

WinHacks 2020

Mentored over 500 hackers in Web Development

Computer Science Society '18-'19

Vice-President of Academics