

Daniel Brestoiu

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Overview

- Proficient with Python, experienced with JavaScript, C, Swift, Java, Racket and SQL
- Won 2nd alongside team at the FraserHacks Hackathon for an AI-based iOS app that used image classification
- Top 2.5% [CTF team](#) worldwide (as per CTFtime) – practicing cybersecurity and always learning
- Headhunted to join school Upper Council due to personal reputation of strong work ethic

Skills

- Coding Stack: Python, Racket, Java, C, JavaScript, CSS, SCSS, HTML, Swift, Tkinter, SQL
- Paradigms: Object Oriented Programming (OOP), Functional Programming, Imperative Programming
- Dev Tools: Visual Studio Code, NetBeans, Eclipse, Command Line Interfaces, XCode, Git, Linux, SSH

Projects

- [Personal Website](#) **JavaScript, SCSS, HTML**
 - Built personal website from scratch; learned technologies such as Apache and Ubuntu remote server
 - Refined intrinsic ability to independently resolve issues by using documentation and online resources
- [YouTube Video Downloader](#) **Python, Tkinter**
 - Developed an intuitive GUI for users to download YouTube videos and playlists by using an API key
 - Learned fundamental concepts of API integration, UI/UX, design, VCS, and effective code refactoring
- [Employee Management Database System](#) **Java**
 - Constructed a functional employee management system to store, display, and modify core information
 - Employed an OOP-based approach and design patterns to deepen personal understanding of concepts
- [Calorie Tracker iOS](#) **Swift**
 - Independently created a prototype iOS calorie tracker app for HackTheNorth 2020++ in under 24 hours
 - Practiced and improved capacity to learn new technologies using available resources, tools and guides

Education

- **Honours Bachelor of Computing and Financial Management - University of Waterloo** **2025**
 - President's Scholarship of Distinction and Computing and Financial Management Scholarship
 - 90% cumulative average at the University of Waterloo and 98% university application average

Work Experience

- **Lifeguard and Swimming Instructor - Life Time Fitness** **2019**
 - Taught and evaluated swimmers, promoted healthy living, and enforced safety guidelines/regulations
 - Developed customer service skills in a highly client-oriented sector by adhering to company culture
- **Assistant Math Teacher - Spirit of Math** **2016 – 2019**
 - Supervised students, taught math concepts, clarified misconceptions and encouraged constant learning
 - Built rapport with students, parents, teachers and colleagues through consistently positive interactions

Achievements

- Quantum Valley Investments - Problem Pitch Competition Finalist **2020**
- First Internationally in DECA Business Competition - Accounting **2019**
- Perfect score on SAT (1600) **2019**