Lucas Harvey

Software Engineering at the University of Waterloo

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🛠 SKILLS

Programming Languages:	Objective-C, Javascript, HTML, CSS, PHP, Python, MySQL, C++, C, Swift, R
Tools and Frameworks:	XCode, Git, Expo, React.js, R Studio
Languages:	Fluent in English and French

💼 WORK EXPERIENCE

IntelliSports
intellisports.ca
Summer 2019

Full Stack Developer Intern

Objective-C, XCode, PHP, MySQL

- Responsible for the end-to-end development of a leveling up gamification feature to incentivize long-term user engagement.
- Refactored the main component of the app for an improved user experience, resulting in a **30x** increase in feature use.
- Revamped the leaderboard feature to accomodate for increased user count using bidirectional pagination for dynamic data.

Nexchange
nexchange.ca
2017 - 2018

Lead Developer and Founder

JavaScript, HTML, CSS, PHP, MySQL

- Founded a web-based service that supports students with learning difficulties by providing them with class notes and saves an average of 15 hours per week of manual labour.
- Implemented secure authentication using **JSON Web Tokens** from scratch.
- Created a mobile-friendly user interface using dynamic **CSS.**
- Received $3,000 in entrepreneurship prizes.

</> PROJECTS

PartyFinder
partyfinder.ca
Summer 2019

React Native, Expo

- Created a crowdsourced mobile app to help students find events happening near them with live ratings. Collected over 400 personal emails pre-launch.

VisionLock
Fall 2018

Python, OpenCV,

- Developed a home security system capable of performing **facial recognition**, unlocking a door and greeting the resident with text to speech conversion.

GraphGEN
Spring 2017

JavaScript, HTML, CSS

- Developed a web-based mathematical graphing application capable of plotting points, drawing functions and determining the best linear fit for a given data set.

🎓 EDUCATION

Bachelor's of Software Engineering
2018 - Present

University of Waterloo

90.67% Cumulative Average

Dean's Honours List Recipient (2x)

Diploma of College Studies
2016 - 2018

John Abbott College

R Score of 37.5 and Dean's List Recipient (Top 0.5% of school)

Valedictorian