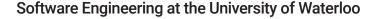
# Lucas Harvey

/LucasHarve lucasharvey.con

/lucas-harvey

lucas.harvey@uwaterloo.ca





**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

Full Stack Developer Intern

intellisports.ca

Objective-C, XCode, PHP, MySQL

Summer 2019

- · 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.
- Decreased leaderboard load time by 500% by optimizing SQL queries and implementing bidirectional pagination for dynamic data.

Nexchange

Lead Developer and Founder

nexchange.ca 2017 - 2018

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

React Native, Expo

partyfinder.ca Summer 2019 • Created a crowdsourced mobile app to help students find events happening near them with live ratings and collected over 450 personal emails pre-launch.

VisionLock

Python, OpenCV,

Fall 2018

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

**GraphGEN** 

JavaScript, HTML, CSS

Spring 2017

 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