

Qualifications

Languages

- JavaScript/TypeScript, HTML5, CSS3, Python, Java, C/C++, C#, Racket, Bash

Technologies and Frameworks

- Node.js, Express.js, Socket.io, Ruby on Rails, MongoDB, SQL, GraphQL, React, jQuery, Bootstrap, Android SDK, Unity3D, Git, Heroku, Azure, AWS
- Experienced with Object Oriented Design, RESTful services and Full Stack development, learnt through various projects and industry experience

Additional Skills

- Exceptional communication skills developed through leadership positions on campus as well as previous work and volunteer experience
- Outstanding cooperative skills established through working on collaborative projects with version control systems

Experience

Microsoft | Software Engineering Intern (Azure DevOps)

Jan 2019 - Apr 2019

- Engineered [unfurling support](#) on external work item mentions using GitHub's Webhook APIs to strengthen Azure DevOps integration with GitHub
- Configured a redundancy jobs to ensure consistency, making use of GitHub's GraphQL APIs
- Monitored telemetry data to ensure reliability and track usage/rollout of the feature
- Shipped a servicing job to make the feature back-compatible with existing users

Microsoft | Explore Intern at Microsoft (Visual Studio C++)

May 2018 - Aug 2018

- Drafted specification documents, conducted user studies and verified telemetry data for the new *Open Folder Experience* inside Visual Studio
- Developed refactoring methods around loop conversion to improve developer productivity
- Created extensible infrastructure to create [quick fixes lightbulbs](#) for common errors, and developed a quick fix for misspelled code using compiler and database information with a fuzzy search algorithm

UW Energy Network | VP Technology

Sept 2017 - Present

- Handle the development and maintenance of the [club's website](#) including the technology behind [uwEnergyHacks](#)
- In charge of social marketing efforts and organization and logistics planning for large-scale events

Projects

Paste from Screenshot

2018

- [VScode extension](#) built at Microsoft's Annual Hackathon that enables a screenshot to be pasted inside the IDE with the text being selectable
- Text recognition and detection were implemented using Microsoft's cognitive vision APIs

Gif Chat

2018

- Full Stack [chat room application](#) that allows users to communicate solely using gifs
- Front end website built using React and Bootstrap
- Backend built on Node.js, using web sockets to facilitate chat, Bing's Search API and Express.js to build the gif finder API, and MongoDB to store the messages
- Setup Continuous Integration from GitHub to Heroku ensuring seamless updating

Education

University of Waterloo

2017 - 2022

- Candidate for Honours Bachelor of Computer Science
- Dean's Honor List 2A (87%+ Term Average)
- President's Scholarship of Distinction Recipient
- Faculty of Mathematics Entrance Scholarship Recipient

Interests

Hackathons/Hobbies

- Attended Hack the North 2018, PennApps 2018 and HackPrinceton 2017
- Watch a variety of sports, enjoy hiking, skiing, weightlifting and listening to music