

# COLIN WALSH

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## EDUCATION

### University at Buffalo

Bachelor of Science in Computer Science, Minor in English | GPA: 3.45

Relevant Coursework: Web Applications, Applied Human Computer Interaction, Data Structures

Buffalo, NY

May 2022

## EXPERIENCE

### Undergraduate Teaching Assistant

University at Buffalo

Aug. 2019 – Present

Buffalo, NY

- Assist in the teaching of Introduction to Computer Science I (CSE115)
- Conduct laboratories for 20-30 students two/three times a week
- Host office hours to assist upwards of 15 students

### Software Engineering Intern

Alarm.com

May 2021 – July 2021

Virtual / Tysons, VA

- Developed a web application to display device history graphically.
- Coordinated with software engineers, project management, and UX to facilitate changes.
- Created back-end API unit tests, and front-end acceptance/integration tests.
- Researched, implemented and documented alterations to the build.

## PROJECTS

### devU | React, TypeScript, Node, Express, Sass

July 2021 – Present

- Contribute to an open source, full-stack web application
- Build new features and develop fixes according to project standards
- File issues and coordinate with project maintainers

### Startpage | Next.js, React, JavaScript, HTML/CSS, Git

Dec. 2020

- Developed a front-end application using the Next.js framework
- Retrieved data from Trello, Weather APIs
- Displayed information relevant to the users current date/time

### Minecraft Camera (UBHacking 2020) | Python, JavaScript, HTML/CSS, Git

Oct. 2020

- Transformed the pixels of a users camera to Minecraft blocks
- Compiled color data from >200 block textures
- Manipulated JavaScript canvas to produce needed webcam output changes

### NewsMood (SteelHacks 2019) | Python, JavaScript, Google Cloud Platform, Flask, HTML/CSS

Mar. 2019

- Created a full-stack web application with a team of 5
- Analyzed tone of news articles using Google Cloud's Sentiment Analysis
- Utilized Flask to send data to front end to depict visually

## LEADERSHIP

### CSE Peer Mentor

University at Buffalo

Aug. 2020 – Dec. 2020

Buffalo, NY

- Touch base with 2 new freshman over the course of the semester
- Field questions about coursework and the Computer Science department
- Guide students towards their passions in the field of computer science

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, C#, Go, Sass, MySQL, MongoDB, Handlebars, C, HTML/CSS

**Frameworks:** React, Ember.js, Node.js, QUnit, Next.js, Flask, CUnit

**Developer Tools:** Git, Jira, Bitbucket, ZenHub, Docker, GitHub, Visual Studio, VS Code