

COLIN WALSH

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EDUCATION:

University at Buffalo, State University of New York

Expected May 2022

Bachelor of Science in Computer Science, Minor in English, GPA 3.43

Relevant Coursework: Algorithms and Complexity, Data Structures, Software Quality in Practice

Organizations: Association for Computing Machinery, UB Comics

SKILLS:

Languages/Frameworks: Python, Javascript, ReactJS, C, C++, Scala, SQL, Lua, C#, Phaser, Haxe

Server: Linux, Node.js, SQLite, Socket.io, Flask

Design: Adobe Photoshop, LaTeX, MS Office

WORK EXPERIENCE:

Teaching Assistant (Intro to Computer Science I), University at Buffalo

Aug 2019 - Present

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

CSE Peer Mentor, University at Buffalo

Sept 2020 - Present

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

Finance Intern, Association for Computing Machinery

Oct 2020 - Present

- Negotiate with companies to fund club ventures
- Meet with UB administration to address club budget
- Assist the President with creating itineraries for club projects

PROJECTS:

JobApplication.Space

Aug 2020

- Stored and categorizes job applications in different stages
- Allowed for quick edits and filtration
- Utilized React and the JavaScript development environment

Fishing Dock

May 2020

- Utilized the discordpy API
- Emulated fishing using catching mechanics dependant on user reaction time
- Stored individual user/server data using SQLite 3

Lyrics Splicer

May 2019

- Created as part of final project for Introduction to Electronic Literature (ENG281)
- Scraped lyrics from an artist's discography using the Genius API
- Spliced lyrics with targeted texts at points of shared words to create a new text

NewsMood

Feb 2019

- Collaborated with a team for SteelHacks 2019
- Utilized the Google Cloud Natural Language API to analyze the sentiment of news headlines
- Hosted data on a website using a Flask server