

COLIN WALSH

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EDUCATION:

University at Buffalo, State University of New York

Aug 2018 - 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 of Computing Machinery, UB Comics

WORK EXPERIENCE:

Teaching Assistant, University at Buffalo

Aug 2019 - Present

- Assisted in the teaching of Introduction to Computer Science I (CSE115)
- Conducted laboratories two/three times a week
- Hosted office hours to assist students

CSE Peer Mentor, University at Buffalo

Sept 2020 - Present

- Touched base with new freshman over the course of the semester
- Fielded questions about coursework and the Computer Science department
- Guided students towards their passions in the field of computer science

Research Assistant, University at Buffalo

Jan 2020 - May 2019

- Assisted Prof. Erin Hatton with research concerning prison labor
- Compiled publicly available data into excel cleanly and efficiently
- Worked efficiently in a self-managed environment

PROJECTS:

JobApplication.Space (2020)

- Stores and categorizes job applications in different stages
- Allows for quick edits and filtration
- Utilizes React and the JavaScript development environment

Fishing Dock (2020)

- Utilizes the discordpy API
- Emulates fishing using catching mechanics dependant on user reaction time
- Stores individual user/server data using SQLite 3

NewsMood (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

Lyrics Splicer (2019)

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

SKILLS:

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

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

Design: Adobe Photoshop, LaTeX, MS Office