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Alfred Koo

My Portfolio Website:
akoo1/portfolio-website/
GitHub: github.com/akoo1
LinkedIn: linkedin.com/in/akoo1

OBJECTIVE

Seeking an **internship for 2021** to further my knowledge of web/software development

EDUCATION

Southern Methodist University, Dallas, TX

Expected Graduation Year: May 2022

- Bachelor's Degree in **Computer Science** | **GPA: 3.85**
- Honors & Awards: Transfer Honor Scholarship, Thomas Lucius Down's Scholarship

Relevant Coursework: Principles of Computer Science I & II, Data Structures, Algorithms, Graphical User Interface, Programming Languages, Assembly Language & Machine Organization, Digital History with Data Science, Intro to Engineering Design, Discrete Math, Linear Algebra

TECHNICAL AND LANGUAGE SKILLS

Programming Languages: JavaScript (ES6+), HTML5, CSS3/Sass, Python, Java, C++, MySQL, SQLite

Frameworks & Tools: React JS, Redux, Node JS, Flask, Material-UI, Bootstrap, JSON, Git, Heroku, Agile Scrum

PROJECT EXPERIENCE

Pony List

September 2020 - November 2020

- Led a front-end team of 3 and collaborated with a back-end team of 2 using **Agile Scrum** to build a marketplace website connecting SMU students to buy or sell new and used items with live messaging feature using **React JS, Node JS, Express JS, and MySQL**

Burger Builder

December 2020

- Built a dynamic React web application that lets users build and customize a burger and also create an account, login, and check out their orders using **React JS, Redux, Node JS**

Personal Portfolio Website

August 2020

- Built a website that provides information about myself and showcases my top skills and programming projects using **HTML, Sass, and JavaScript** that is responsive and mobile-friendly

Reddit Archive Project

November 2020

- A data analysis of how the language regarding the LGBT community has changed on Reddit by analyzing and visualizing Reddit Archive from 2009 to 2015 using **Python, Pandas, NumPy, spaCy, and Matplotlib**

COVID-19 Open Research Dataset Challenge (CORD-19)

April 2020

- Built a search engine in **C++** by building an inverted file index for a corpus of 50K JSON COVID-19 scholarly articles that uses 'term frequency - inverse document frequency' relevancy ranking scheme for results

WORK EXPERIENCE

Collin College - Admissions & Academic Advising

Plano, TX (March 2018 – May 2019)

Student Assistant

- Managed, sorted and processed confidential student documents in Collin College's online database
- Trained 3 student assistants and 1 intern on Banner 9 software and other general office responsibilities