Dallas, TX 75205

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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 summer 2021** to further my knowledge of web/software development

EDUCATION

Southern Methodist University, Dallas, TX   Graduation Date: December 2021

- 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: Python, C++, JavaScript, HTML, CSS/Sass, SQLite

Frameworks & Tools: React JS, Bootstrap, Flask, JSON, Git, Heroku, Agile

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 using **React JS, Node JS, Express JS, and MySQL**

Personal Portfolio Website   August 2020

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

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

Environmental Investigation Robot   January 2020 – May 2020

- Collaborated with a team of 6 to build an autonomous robot using Arduino, **C++**, and **Agile Scrum**
- Enhanced teamwork skills by facilitating team meetings, including team stand-ups, iteration planning, and iteration retrospective, and writing team project status report
- Successfully transitioned from in-person collaboration to virtual working sessions utilizing Zoom, Slack, Discord, and Google Drive

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