Saifuding Daniyaer

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OBJECTIVE

Enthusiastic Computer Science student with strong coding skills and data structure knowledge seeking full-time positions.

EDUCATION

Virginia Commonwealth University(VCU), Richmond, VA

Bachelor of Science in Computer | May 2024

SKILLS

Programming Languages: Python

Frameworks & Libraries: Flask, Pygame, Bootstrap, Jinja, SocketIO, Panda, Numpy, SQL, RESTful API, SqlAlchemy, Selenium, TestNG, Software Development Methodologies

Tools: Langchain, WhisperAI, Quarto, RapidMiner, Visual Studio, Figma, P5JS, GIT, Selenium, SQL, TestNG.

Language skills: Fluent in written and spoken English, Chinese, and Uyghur

ACADEMIC PROJECTS

CAPSTONE PROJECT: VOICE-DRIVEN AI PROGRAM

- Role: Project Manager
- Technologies: Langchain, Python, WhisperAI
- Developed a voice-driven program for transcribing speech to text, enabling users to give instructions to AI for task completion. Improved user interaction with AI technologies through effective voice recognition and processing.

TRAVEL AGENCY DATABASE

- Role: Database Developer
- Technologies: SQL(MySQL), Flask, Quarto
- Developed a relational database for a travel agency, setting up server endpoints for database access and utilizing Quarto for document rendering,

DATA ANALYSIS PROJECT

- Role: Data Analyst
- Technologies: RapidMiner, Deep Learning

- Worked in a group of four and employed RapidMiner and deep learning algorithms to build a model differentiating DNA, RNA, and non-dRNA. Enhanced predictive accuracy through innovative algorithm application

INDEPENDENT PROJECTS

TEXTING APP PROJECT

- Role: Full-stack Developer
- Technologies: Python, Flask, Bootstrap, Jinja, SocketIO
- Built a server for a real-time texting app, integrating Flask on the backend with Bootstrap and Jinja on the front end. Implemented SocketIO for efficient message transmission.

PLANET SIMULATION PROJECT

- Role: Developer
- Technologies: Pygame, Physics simulation
- Created a simulation using Pygame to demonstrate the orbital paths of planets in our solar system. Applied physics principles to ensure accurate planetary movements.

CERTIFICATE

FBI Cyber Collegiate Academy

OTHER WORK EXPERIENCE

Back Of the House, Panda, Richmond, VA   July 2023 - Dec 2023

Deliver, Door-dash, Rockville, MD   Jan 2022 - Dec 2022

STUDENT ORGANIZATION

VCU Climbing Club, Member, Virginia Commonwealth University, August 2021 - Present