Kwaku Ofosu-Tuffour

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PROFESSIONAL SUMMARY

Diligent and hardworking with a drive to learn and self-improve. Passionate about creating new technology and technological development. Successful at managing multiple tasks simultaneously with a positive attitude

EDUCATION

College of William and Mary   **May 2024**

Bachelors of Science: Computer Science, Mathematics

GPA: 3.7

- Relevant Courses: Software Development, Software Engineering, Databases, Data Structures, Algorithms, Data Mining
- Awards and Honors: W&M Scholar, Monroe Scholar, Dean's List [Fall 2020, Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023]

SKILLS

- **Programming Languages:** JavaScript, Python, Java, C++
- **Front-end Web Developmen**t: HTML/CSS, JavaScript, JQuery, React.js, Bootstrap
- **Back-end Development:** Django (w/ REST API)
- **Mobile App Development:** React Native, Android Studio
- **Data Management:** SQL, PostgreSQL, Microsoft Office
- **Other Skills/Software:** AWS (EC2, RDS, Route 53), Eclipse, LaTeX, French (Intermediate)

PROJECTS

College-Based Market Application | React Native | Django | AWS

- Lead developer in a team currently creating a mobile application for W&M students to sell and purchase products from other students. Developed using React Native as the frontend framework and Django (with REST API) as backend framework to create a full-stack application. Django backend hosted on Amazon EC2 communicates with Postgres database hosted on Amazon RDS

Rationales Visualization Tool | React.js | Flask

- Helped with the creation of a website that serves as a visualization for the output of a Neural Code Model (NCM). Developed into a dynamic web interface using the React.js framework. Developed in Software Engineering course

Weather Web Application | HTML/CSS/JavaScript | API

- Created a website that displays information about current weather conditions as well as hourly and weekly forecasts. Developed using front-end languages: HTML/CSS/JavaScript. Retrieves, processes, and displays information using Free Weather Api (weatherapi.com).

Android Maze Game | Java | Android Studio

- Created a maze game using agile software development, with code written using Java in both Android Studio and Eclipse. Developed using Java Object-Oriented programming methodology.

Personal Website | React.js | Bootstrap

- Created a React.js web application that goes more into depth on projects that I've worked on

WORK EXPERIENCE

Data Analytics Intern | Chesterfield County   05/2023-08/2023

- Responsible for managing and analyzing data commonly used by various departments of Chesterfield County's Department of Human Resources
- Queried data from SQL databases using Microsoft Azure Studio
- Developed queries to determine inconsistencies across different database schema