

Kwaku Ofosu-Tuffour

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PROFESSIONAL SUMMARY

Motivated and hardworking young professional driven by learning and self-improvement. Enthusiastic about new technologies and advancements in the tech field. Skilled at effectively juggling responsibilities with a positive demeanor.

EDUCATION

College of William and Mary

Expected Graduation: May 2024

Bachelor's of Science: Computer Science & Mathematics

GPA: 3.7

Relevant Courses: Software Development, Software Engineering, Databases, Data Structures, Algorithms, Data Mining, Linear Algebra, Statistics, Numerical Analysis

Awards and Honors: William & Mary Scholar, Monroe Scholar, Dean's List [Fall 2020, Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023]

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, Java, C++
- **Front-End Web Development:** HTML/CSS, JavaScript, JQuery, React, Angular, Bootstrap
- **Back-End Development:** Django, Flask
- **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), Agile
- **Certifications:** AWS Certified Cloud Practitioner

PROJECTS

H2H | College-Based Market Application | React Native | Django | Amazon Web Services

- Lead developer within a team that is developing a full-stack mobile application tailored for William & Mary students, facilitating the buying and selling of products among peers.
- Uses React Native for the frontend framework and Django, equipped with a REST API, for the backend framework. Django backend, hosted on Amazon EC2, seamlessly communicates with the Postgres database, which is hosted on Amazon RDS.

Rationales Visualization Tool | React | Flask

- Collaborated with a team to develop a website designed to visualize the results generated by a Neural Code Model (NCM) and transformed it into a dynamic web interface leveraging the React.js framework.

Anime Versus Web Application | Angular | Flask | Heroku

- User ranking of anime characters based off of head-to-head battles visualized by web-scraped fandom images. Uses Angular as the front-end framework to present data to the user, and Flask equipped with a REST API as the back-end framework to distribute data. Flask API hosted on Heroku, and Angular app on Github Pages.

Weather Web Application | HTML/CSS | JavaScript

- Designed and developed a website showcasing real-time weather data alongside hourly and weekly forecasts utilizing front-end languages such as HTML, CSS, and JavaScript.
- Retrieves, processes, and displays information using the Free Weather API (weatherapi.com).

Android Maze Game | Java | Android Studio

- Created a maze game employing agile software development principles, coded in Java within both Android Studio and Eclipse.
- Developed using Java Object-Oriented programming techniques throughout the development process.

[Personal Website](#) | React.js | Bootstrap

- Developed a React web application providing detailed insights into the projects I've undertaken.

PROFESSIONAL EXPERIENCE

Data Analytics Intern | Chesterfield County, VA

May 2023 – August 2023

- Used Microsoft Azure Studio to develop SQL queries, conducted data analysis, and detected discrepancies within database schemas spanning various divisions within Chesterfield County's Department of Human Resources, aiming to improve operational effectiveness and streamline resource distribution