

# Kwaku Ofosu-Tuffour

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## PROFESSIONAL SUMMARY

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

## EDUCATION

**College of William and Mary**

Bachelor's of Science: Computer Science & Mathematics

**Expected Graduation: May 2024**

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

## PROJECTS

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

- Lead developer within a team that is developing a mobile application tailored for William & Mary students, facilitating the buying and selling of products among peers.
- Constructed a full-stack mobile application utilizing 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.js | 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.

**Weather Web Application** | HTML/CSS/JavaScript | API

- 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](https://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.js web application providing detailed insights into the projects I've undertaken.

## PROFESSIONAL EXPERIENCE

**Data Analytics Intern** | Chesterfield County, VA

**May 2023 – August 2023**

- Utilized 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.