KWABENA GYASI DARKO

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EDUCATION

Columbia University   **New York, NY**
BS Computer Science, Minor Economics | **GPA**: 3.7/4.0   May 2027
- **Relevant Courses:** Calculus II, Data Structures and Algorithms
- **Organizations:** NSBE, ColorStack, FSAE, CodePath, Black Brilliant Minds

TECHNICAL SKILLS

Languages: Python, Java, Git, HTML, CSS, Vite, Computer Aided-Design, JavaScript
Tools: VS Code, PyCharm, IntelliJ, Jupyter Notebook, SolidWorks, GitHub, MS Office
Libraries & Frameworks: NumPy, Matplotlib, Pandas, Pygame, React.js

WORK EXPERIENCE

Columbia University Information Technology   **New York, NY**
IT Assistant   September 2023 – Present
- Provide technical support during workshops and seminars for a seamless technology experience
- Train faculty in troubleshooting potential errors to proactively resolve technical issues expediently
- Conduct regular check-ups on hybrid classrooms to facilitate smooth learning

Jumpstarting Aspiring Developers and Entrepreneurs (JADE)   **New York, NY**
Fellow   January 2024
- Acquired practical skills in HTML, CSS, and React.js to enable web development proficiency
- Actively networked with seasoned Software Engineers through company visits fostering valuable connections
- Learned about how to navigate the tech field through professional development workshops

PROJECTS & HACKATHONS

Snake Game | **Python, Pygame**
- Developed an interactive graphical user interface using the **Pygame** library in **Python**
- Utilized different object classes, loops, and user keyboard input to develop the game

Personal Website Portfolio | **HTML, CSS, React.js, Vite**
- Utilized **Vite** and **React.js** frameworks to develop a website showcasing my experiences and projects
- Combined **HTML**, **CSS**, and **JavaScript** files in VS Code to create and style the website
- Implemented the **AOS** library to incorporate scrolling animations and improve the UI experience

Wine Classifier | Python, NumPy, Pandas
- Utilized **Pandas** and **NumPy** library in **Python** to retrieve and manipulate wine data
- Implemented the centroid-classifier function to sort disparate wines based on their chemical properties
- Created a cross-fold function to make sure that all data was experimented achieving an 88% accuracy

Civic Heart | **React Native, JavaScript, Mongo DB**
- Developed a **React Native App** for community building during the DevFest Hackathon hosted by Columbia
- Built an **API** with **Express** and **MongoDB** to help residents find Council Leaders based on their zip code
- Integrated a user feedback feature using **JavaScript** and **MongoDB** to enable users express and upvote concerns

EXTRACURRICULAR ACTIVITIES

Columbia University Formula Racing (High Voltage)   **New York, United States**
Member   September 2023 – Present
- Implement Rapid Harness software to streamline the wiring design process for an efficient layout of the high-voltage system
- Facilitated regular checks on circuits and addressing potential issues promptly to ensure optimal functionality