

KWABENA GYASI DARKO

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EDUCATION

Columbia University

New York, NY

BS Computer Science, Minor in Economics (Dean's List)

Expected Graduation: May 2027

- **Relevant Courses:** Intro to Computing in Python, Calculus I, Intro to Programming in Java (Spring 2024)
- **Organization:** NSBE, ColorStack, FSAE

TECHNICAL SKILLS

Languages: Python (Proficient), Java (Learning), Git, HTML, CSS, Vite, Computer Aided-Design

Tools: VS Code, PyCharm, IntelliJ, Jupyter Notebook, SolidWorks, GitHub, MS Suite

Libraries & Frameworks: NumPy, Matplotlib, Pandas, Pygame, React.js

WORK EXPERIENCE

Columbia University Information Technology

New York, United States

Tech Maintenance 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, United States

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

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

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

Mfantsipim Robotics Club

Cape Coast, Ghana

General Secretary

December 2019 – July 2022

- Trained club members how to program Lego Robots and prepared them for robotics competitions.
- Assisted the club by taking notes of all its shortcomings and working toward them.