EMMANUEL DODOO

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EDUCATION

Cornell University, Ithaca, New York   **Graduating December 2025**
Major: Computer Science
Relevant Coursework : Introduction to Computing, Object Oriented Programming, Data Structures and Algorithms, Trends in Modern Web Development, Calculus

SKILLS

Programming languages: Python, Java, JavaScript, Typescript, HTML/CSS
Worked with: React, Node.js, Firebase, Flask, Github, ,Pygame, Ar.js, Three.js

EXPERIENCE

Teaching Assistant, Cornell University   **August 2022 - December, 2022**
- Course staff for the Introduction to Computing (Python) course of about 600 students.
- Hold office hours to resolve student challenges and improve understanding of course concepts.
- Review and grade students' exams, projects and assignments throughout the semester.

Program Organizer and Co-lead, TechElevate   **June 2022 - Present**
- Assembled multiple teams of about 50 Computer Science students in Ghana for knowledge building sessions aimed at landing them jobs.
- Hold two weekly workshops instructing recruits and building up knowledge.
- Lead sub-teams in building various projects, refine existing skills and learn new ones.

Milstein Summer Program, Cornell Tech   **June 2022 - July 2022**
- Worked with a local government agency to build an Augmented Reality web interface for flood sensors using the AR.js.
- Worked with four resident professors to explore the intersection of Technology and Arts .
- Built several projects using Physical and Digital Making techniques for the local community.

PROJECTS

Big Red Musix |Typescript| HTML|CSS|React| Firebase| Chakra-UI   Github Repository
- Worked with a team of 3 to create a music sharing website.
- Implemented song ranking system, user authentication and likes to enhance interactivity.
- Integrated Firebase, to store user and song data, and cloud functions handle data changes.

Pong Game | Python|Pygame   Github Repository
- Developed a two player pong game using python pygame for casual play.
- Employed a unique user introduction.
- Implemented sound system to improve immersion

Python Video Streaming | Python
- Created a Python playlist maker and streaming service.
- Implemented an integrated Advertisement system to serve ads after a number of videos
- Used built-in python libraries like functools, inspect and webbrowser.

CAMPUS INVOLVEMENT

- Undergraduate Research Board, Member, Spring 2022 - Present.