

E.j. Ezuma-Ngwu

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EDUCATION

Carnegie Mellon University
BA in Information Systems

Pittsburgh, PA
Graduation Date: May 2025

Relevant Courses: 15-112: Fundamentals of Programming and Computer Science | 15-110: Principles of Computing | 15-121 Introduction to Data Structures(Fall 2022) | 15-122: Principles of Imperative Computation(Spring 2023) | 17-313: Foundations of Software Engineering(Spring 2023)

SKILLS & INTERESTS

Skills: Microsoft Office (Excel, PowerPoint) | Python | Java(In Progress) | C(In Progress)

Interests: Cooking, Fitness, Basketball, Human-Computer Interaction, CyberSecurity

PROJECTS

[Overcooked Py2!](#) - ([Code](#))

Python

April 2022 - May 2022

- Developed a cooking-based game where you must compete and cook against an AI enemy to see who can make the most plates in a given time.
- Implemented a Breadth-First Search AI Algorithm, changeable graphics, and high scores in over 1,400 lines of code.

[Social Media Analytics](#) - ([Code](#))

Python

Dec 2021 – Jan 2022

- Compiled and analyzed 4,981 tweets and Facebook posts from various politicians using sentiment analysis.
- Programmed various graphs to represent the differences in each politician's post (using state, party, etc.).

[Tetris](#) - ([Code](#))

Python

Feb 2022 – Mar 2022

- Built the playable game Tetris using a rows and columns design in Python.
- Collaborated with my classmate in figuring out the best approaches and data structures to use in the program's construction.

[Simple Nutrition Tracker](#) - ([Code](#))

Python

Nov 2021 - Dec 2021

- Created a simple nutrition tracker that asked for user input on their health like daily exercise, diet, etc.
- Calculated how long it would take to lose weight at their current time frame.

LEADERSHIP EXPERIENCE

ColorStack @ Carnegie Mellon University
Co-President

Pittsburgh, PA
May 2022 – Present

- Restarted a club for underrepresented minorities in programming to administer mentoring and advice that encourages a feeling of belonging in a predominantly Caucasian and Asian field.
- Organized a ColorStack Summit with over 90 members of the clubs so that they could learn firsthand what being a minority in tech is like, as well as have opportunities for internships.
- Consulted the Deans of both the Heinz College of Information Systems and the School of Computer Science on matters involving diversity and inclusion.

Spirit @ Carnegie Mellon University(Black Student Union Club)
Community Service Chair

Pittsburgh, PA
Sep 2021 – May 2022

- Aided in the advertisement and contacting of community service events for Spirit members.
- Created Excel Sheets and managed data with over 100 members' sign-ups and participation.

