UCHECHI OBI-IWUAGWU

Mobile: (253)-993-8480 | GitHub: uchechiobi | Email: obiiwuagwuuchechi@gmail.com | Linkedin: www.linkedin.com/in/ucheobi27

EDUCATION

Loyola Marymount University   **Los Angeles, CA**
Bachelor of Science in Statistics & Data Science | Minor in Computer Science   May 2027

Relevant Coursework: Calculus I &II, Calculus III (spring 2025), Computer Programming Lab, Applied Linear Algebra (spring 2025), Data Structures & Applications (spring 2025), Applied Statistics.
Awards/ Scholarships: Conrad Challenge Scholar (November 2021), **LMU** Social Justice Scholar (May 2023).
Certifications: Bloomberg Market Concepts, LinkedIn (**Codesignal** programming with Python, **HTML** essential training, Programming Foundations: **Data Structures**).
Campus involvement: National Society of Black Engineers, Rewriting The Code, ColorStack, Resilience, Society of Women Engineers.

SKILLS

Technical languages: Python, **HTML**, **CSS, JavaScript**.
Analytical Skills: Debugging.
Tools: Google Workspace, MS Office.
Soft Skills: Leadership, Activism, Communication, Critical thinking, Time Management, and research.
Interests: Software Engineering**,** Data Science, and Front-end Web Development.

PROJECTS

Conrad Challenge Nigeria | Team EMOBIO   **Lagos, NG**
Chief Operating Officer   April 2021
- Competed in a global STEM innovation challenge hosted by the **Conrad Foundation**, focused on addressing environmental and sustainability issues.
- As Chief Operating Officer, led the development of **Bionyte**, a pioneering device designed to convert food waste (**biomass**) into **renewable heat energy** for domestic use, including cooking and heating, alongside team members.
- Addressed the **40% improper food waste disposal** and **carbon emissions** across Africa by producing a solution aimed at reducing environmental impact and promoting **sustainable living**.
- Coordinated operational planning, resource management, and project execution, ensuring smooth team collaboration.
- **Emerged as a finalist**, receiving recognition for innovation and sustainability, and awarded over **$60,000 in scholarships** for exceptional project design and impact potential.

Portfolio | **Website**   **Los Angeles, CA**
Website   September 2024
- Developed a **responsive** and **dynamic personal portfolio website** using **HTML**, **CSS**, and **JavaScript**, showcasing projects and skills effectively.
- **Designed** a **mobile-first**, user-focused interface, modifying for **cross-browser compatibility** and **accessibility** to enhance user experience.
- Utilized **modern front-end development best practices**, including **responsive design**, **performance optimization**, and **SEO** techniques, to ensure fast load times and smooth interactions.

Academic Projects | Class Coursework   **Los Angeles, CA**
LMU- Computer Programming Lab (CMSI 1010)   September 2024 - Present
- **Developed Python programs** using foundational concepts such as **lists, loops, dictionaries, booleans**, and **conditional statements** to solve complex coding problems.
- Implemented **control flow** and **iteration structures** to process and manipulate data in various formats efficiently.
- Designed and tested multiple **functions** and **algorithms** to automate solutions for practical problems, such as string manipulation, sorting, and searching tasks.
- Utilized **dictionaries** to manage and retrieve data in a key-value format, enhancing performance for lookup-intensive tasks.
- Applied **Boolean logic** and **conditionals** to control program flow and implement decision-making processes.
- Regularly solved **coding challenges** and optimized code for **readability** and **efficiency**, reinforcing programming fundamentals.

EXPERIENCE

CodePath | **Prep**   **Los Angeles, CA**
Technical Interview Prep   September 2024 - Present
- Participated in **20** virtual and interactive course lectures to acquire tips and tools to promote technical growth, and for excelling in **Python technical interview problems**.
- Collaborated with fellow scholars to figure out solutions to problem sets in breakout rooms.
- Completed **HackerRank algorithmic assessments** to enhance retention of core computer science concepts, improve problem-solving skills, and practice executing efficient algorithms using various data structures.
- Attended career fairs to hear from software engineering experts.

Loyola Marymount University | **Undocumented Student Support Services**   **Los Angeles, CA**
Peer Wellness Facilitator   September 2023 - Present
- **Research** and curate wellness and mental health resources tailored for undocumented students on campus.
- **Plan and lead** various wellness events per semester.
- Inform and connect students with essential campus resources.
- Give guidance and emotional support to younger cohorts.