

Chukwuebuka Umeh Michael

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EDUCATION

Southeastern Louisiana University

Hammond, LA

Aug. 2023 – May 2027

Bachelor of Science, Computer Science: Information Technology. GPA-3.87.

Relevant Coursework: Data Structures, Software Engineering, Algorithm design/implementation,

Object-Oriented Programming, Discrete Structures, Internet Programming, and Principles of Cybersecurity.

Affiliations: Colorstack(Comm. Member), Extern(Member), Codepath non-profit organization

Awards: Southeastern Presidents List, Southeastern Dean's List, Southeastern Honors Program Scholarship. Sophomore Honors Distinction.

EXPERIENCE

Information Technology Support Assistant

Southeastern Louisiana University

February 2024 – Present

Hammond, LA

- Supported over 50 faculty and staff by answering calls, assisting with Canvas inquiries, and directing visitors, thereby improving workflow among faculty and staff by 35% .
- Helped set up workshops, manage high-tech equipment allocation, and collaborate on daily technology tasks
- Maintained the upkeep of 60+ computers, laptops, and other digital equipment.
- Assessed and troubleshoot computer problems brought by 50+ faculty and staff, thereby recovering and boosting efficiency by 55% .

Augmented Reality Extern

Southeastern Louisiana University

July 2025 – September 2025

Remote, Hammond, LA

- Collaborated with a team of 3–6 externs to design and prototype an interactive Snap Lens using **Lens Studio**.
- Explored how augmented reality enhances **digital storytelling** and improves user engagement.
- Applying skills in **AR design, storytelling, and user interaction** to develop creative digital experiences.
- Participated in weekly workshops and mentorship sessions focused on innovation in AR and emerging technologies.

PROJECTS

Maintenance Radar | .NET, C#, React, TypeScript, Mantine UI

Feb 2025 – May 2025

- Engineered a full-stack maintenance tracker in .NET EF Core and React, cutting manual logging time by **40%**.
- Designed ASP.NET API endpoints that improved data retrieval speed by **30%**
- Developed a dashboard enabling **100% real-time visibility** for **50+ active users** to track repairs and schedules
- Enhanced UI with Mantine UI, ensuring mobile responsiveness and reducing user errors by **25%**.

AI Chat Web Application | OpenRouter API, Python, Gradio, HTML, CSS, JavaScript

June 2025 – July 2025

- Engineered an AI chatbot using OpenRouter's GPT API, reducing query resolution time by **50%**
- Built an interactive Gradio web interface supporting **100+ concurrent chat sessions** without downtime.
- Implemented features like **new chat initiation, auto-titling, and chat history organization**, increasing repeat usage by **35%**.

AtmoWise | Next.js, Supabase, Tailwind, TypeScript, Vercel, AirNow API, OpenAQ, Geocode

Sept 2025

- Built a real-time air quality health advisory app at HackRice, enabling users to make faster, data-driven decisions.
- Designed a scalable full-stack platform in Next.js and Supabase, improving data sync efficiency by **40%** and maintaining 99% uptime.
- Integrated AirNow and OpenAQ APIs to deliver accurate real-time air metrics, increasing data reliability by **25%**.
- Designed an accessible, responsive UI in Tailwind, enhancing engagement and reducing navigation friction by **20%**.
- Optimized mobile performance and API handling to cut latency by **35%** during live deployment.

TECHNICAL SKILLS

Languages: Java, Python, HTML/CSS, C++, SQL, JavaScript, PHP

Frameworks: React, Node.js, Gradio, Mantine, ASP.NET, OpenAI API, Bootstrap

Developer Tools: Oracle OCI, Git/Github, Fork Mantine UI, Gradio UI, VS Code, Visual Studio, PyCharm, IntelliJ, JetBrains, PHPMyAdmin, Microsoft Office