

Simon Chambo

+1 (770) 686-2653 | simonchambo2022@gmail.com | linkedin.com/in/simon-chambo | github.com/chamboSimon

EDUCATION

University of Arkansas at Pine Bluff

Bachelor's, Computer Science

Pine Bluff, AR

Aug. 2023 – May 2027

- Carolyn F. Blakely Honors Program
- Honor Roll Spring 2024
- GPA: 4.0

EXPERIENCE

Undergraduate Research Assistant

University of Arkansas at Pine Bluff

February 2024 – Present

Pine Bluff, AR

- Conducted literature reviews to support hypothesis development and identify gaps in existing knowledge
- Collected research data through experimentation, surveys and leading focus groups
- Transcribed and documented videos recorded during sessions at local schools, ensuring accuracy and clarity
- Assisted in the creation of accessible content, facilitating broader understanding and engagement

Software Engineering Fellow

Headstarter

August 2024

Remote

- Developed 5 AI-based projects within 5 weeks, showcasing expertise in machine learning and software engineering
- Took on a startup's backlog as a final project, building solutions that meet specific business requirements
- Collaborated with startup teams to understand business objectives and deliver high-impact software solutions

PROJECTS

AI Rate My Professor | *Next.js, OpenAI API, Pinecone, React*

August 2024

- Built a web application to analyze and provide AI-powered feedback on professors based on user input.
- Integrated OpenAI API to generate intelligent responses for user queries.
- Utilized Pinecone for fast and scalable vector search to optimize feedback suggestions.
- Designed the frontend using React for a seamless user experience.

Pantry Inventory Management | *Firebase Firestore, Material-UI, React*

September 2024

- Developed a dynamic web application for managing pantry inventory with real-time database management using Firebase Firestore.
- Utilized Material-UI to create a modern, responsive user interface.
- Implemented features for efficient item tracking, addition, and removal, along with advanced search and filtering functions.
- Ensured secure handling of sensitive data through environment variables and robust input validation.
- Demonstrated proficiency in React, state management, and cloud integration, providing a seamless and intuitive inventory management platform.

AI Customer Support | *Next.js, OpenAI API, AWS, Pinecone*

September 2024

- Created an AI-powered customer support chatbot to automate responses for common queries.
- Integrated OpenAI API to generate contextual and intelligent responses.
- Utilized Pinecone for efficient vector search to provide relevant query suggestions.
- Deployed the application using AWS services for scalability and security.
- Developed the frontend using Next.js to ensure a seamless user interface and interaction.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib