

GERALD AMOS SHIMO

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EDUCATION

University of Arkansas at Pine Bluff- *Cumulative GPA: 4.0 /4.0*

Pine Bluff, Arkansas

Major: BSc Computer Science, BSc Mathematics

Graduation: May 2027

Relevant Coursework: Software Engineering, Algorithms, Web Development, Data Visualization

Certification: Google Data Analytics | Machine Learning with Python | Introduction to Python

Honors and Scholarships: CodePath Tech Fellow | UAPB Foundation Scholarship | University Scholarship (Four years) | 2024 Chancellor's List

PROFESSIONAL SKILLS

Programming Languages: Java, Python (intermediate), JavaScript, HTML & CSS, SQL (intermediate), NodeJS, React

Software: Android, Git, Microsoft Office, Google Analytics, Google Tag Manager, Tableau, Vescel, BigQuery, Joomla

Core Skills: Agile development, UX Design, Usability testing, Data Analysis, Data Visualization, Project Management

WORK EXPERIENCE & VOLUNTEERING

University of Arkansas at Pine Bluff, *Lab Assistant*

Pine Bluff, AR, Aug 2023 – Present

Lab Assistant with the Physics and Chemistry Department geared towards collecting and visualizing quantum materials simulations

- Collaborated with a team of 4 as a data analysis and visualization focused lab assistant to characterize 2D quantum materials
- Incorporated Python programming Matplot library to optimize data visualization and allow easier analysis of the materials
- Increased efficiency and accelerated the creation of insightful visualizations that reduced analysis time by 20%

Headstarter AI, *AI Project Developer*

Remote, July 2024 – Sept 2024

Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies

- Led and collaborated with a team of 4, coordinating weekly meetings and managing project progress
- Developed a platform for appointment scheduling using MaterialUI and Javascript, and scaled it to 100+ users

High School Web Development Workshop, *Volunteer Instructor*

Pine Bluff, AR, June 2024 – July 2024

5-week volunteer program focused on teaching high school students the basics of HTML and CSS

- Created engaging lesson plans and hands-on projects for 20+ students, to enhance student understanding of core web development concepts
- Increased student participation by 25% over the course of the program

PROFESSIONAL DEVELOPMENT & LEADERSHIP

Honors Program, *Event Coordinator*

Pine Bluff, AR, Jan 2024 - Present

- Led the planning and execution of social events for a community of 30+ students to increase collaboration among student and faculty
- Increased event participation by 20% by managing logistics and designing fliers for event timelines efficiently

National Society of Black Engineers, *Committee member*

Pine Bluff, AR, Sept 2023 - Present

- Spearheaded the organization of 3 professional workshops, resulting in a 25% increase in member engagement in career development activities
- Provided logistical support for meetings, contributing to an improvement in meeting efficiency and member satisfaction

PROJECTS

3D Graph Revolution Plotter, *Software Engineer*

Pine Bluff, AR, January 2024

- Developed a Python script using matplotlib to visualize the 3D revolution of mathematical functions around specified axes ('x', 'y', or 'z')
- Enabled users to input custom functions and visualize revolutions, contributing to a 20% improvement in visual learning for mathematics students

Case Study: Australia Rainfall Patterns, *Data Analyst*

Pine Bluff, AR, June 2024

- Conducted a machine learning case study analyzing Australia's rain patterns using decision trees, SVM, and regression techniques
- Evaluated model performance using accuracy score and Jaccard index, achieving an 80% accuracy rate in rain prediction

Inventory Management System, *UI Developer*

Pine Bluff, AR, July 2024

- Developed a web application for managing pantry inventory using React and Firebase, allowing real-time updates.
- Created a user-friendly interface with Material-UI, improving user experience by 30%, as indicated by feedback from 10+ users

Interests: Soccer, traveling, swimming