

GERALD AMOS SHIMO

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EDUCATION

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

Pine Bluff, Arkansas

Major: B.S Computer Science, B.S Mathematics

Expected May 2027

Certification: Google Data Analytics

Relevant Coursework: Computer Science I & II • Calculus I & II • Python (Google Advanced Data Analytics, Coursera) • Odin Project • Machine Learning Specialisation • Data Structures and Algorithms

Honors and Awards: University Scholarship (Four years), Chancellor's List (Fall 2023 & Spring 2024)

SKILLS

Software: Microsoft Applications, Excel, Visual Studio, Database server, Joomla, Tableau

Programming Languages: Visual Basic (beginner), C++, Python, Java, Javascript, Julia, R(Intermediate), SQL, BigQuery

Language: English, Shona

EXPERIENCE

October 2023-Present

University of Arkansas at Pine Bluff

Pine Bluff, Arkansas

Lab Assistant

- Specializing in the characterization of 2D quantum materials, leveraging and combination of analytical techniques and laboratory research
- Attend 2-hour weekly professional development meetings to improve safety and research skills

March 2022-June 2022

Delta Beverages

Harare, Zimbabwe

Packaging Assistant

- Facilitated eco-friendly bottle recycling through washer-based processing.
- Methodically repackaged bottles into crates and efficiently palletized crates for consumer distribution.

PROJECTS

Monthly Mobile Service Bill Calculator: [Bill Calculator](#)

November 2023, Pine Bluff, AR

- Created a C++ program to select phone plans, calculate bills, and compare savings with alternative options. It includes user-friendly features for plan selection and dynamic bill calculation.

3D Graph Revolution Plotter: [Plotter](#)

January 2024, Pine Bluff, AR

- Developed a Python script using 'matplotlib' to visualize the 3D revolution of a mathematical function around a specified axis. Users input a function and axis ('x', 'y', or 'z'). The script generates a 3D plot and calculates the volume of revolution in terms of pi.

Case Study: Australia Rainfall Patterns: [Case study](#)

July 2024, Pine Bluff, AR

- Completed a machine learning case study for a course final project, analyzing Australia's rain patterns using techniques like decision trees, SVM, and regression to predict future rain. I also evaluated each model's performance using metrics such as accuracy score and Jaccard index.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

January 2020-December 2021

Junior Achievers Zimbabwe

Harare, Zimbabwe

Information and Communications Technology (ICT) Manager

- Managed member data integrity and security, while leveraging social media for project promotion, enhancing organizational visibility; gained problem-solving and time management skills in the process.

February 2019-December 2021

Christian Life Community

Harare, Zimbabwe

Supervisor

- Successfully promoted community growth through efficient information dissemination and proactive member recruitment, while showcasing strong leadership by overseeing diverse services and activities, ensuring their successful alignment with organizational objectives.

VOLUNTEER WORK

October 2023

Breast Cancer Awareness Walk

Pine Bluff, Arkansas

- Raised breast cancer awareness while promoting support, collaborated with diverse volunteers, and honed effective communication and teamwork skills for the successful execution of the school event.

CLUBS & ORGANIZATIONS

Carolyn F. Blakely Honors Program, National Society of Black Engineers, International Students Association, Stem Academy, Mathematical Association of America