

Enobong Offiong

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EDUCATION

The University of Missouri

Bachelor of Engineering in Computer Science – 3.82/4.0

Columbia, MO

December 2026

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C, SQL (MySQL, Postgres), HTML5/CSS3

Frameworks: React, Node.js, Express.js, JUnit, Material-UI

Developer Tools: Git, Linux, Postman, RESTful API, AWS Cloud, VS Code, IntelliJ, Eclipse, Vitest

EXPERIENCE

Undergraduate Research Volunteer

January 2023 – May 2023

University of Missouri

Columbia, MO

- Developed a **Python** tool to automated analysis of **420,000+** CSV records across 36 states, eliminating manual data aggregation and reducing manual data aggregation time by **70%** and providing actionable insights on school learning modalities.
- Implemented **data analysis** features including state-specific filtering, date-based queries, and student count thresholds with percentage breakdowns for comprehensive reporting.
- Built an interactive console interface with **input validation**, **error handling**, and recursive menu navigation for seamless user experience and data exploration.

Resident Advisor

August 2024 - Present

University of Missouri Residential Life

Columbia, MO

- Cultivated a supportive community of **300+ residents** by implementing proactive **communication strategies** and **conflict resolution techniques**, resulting in a 10% increase in resident satisfaction scores.
- Spearheaded** the **planning and execution** of community events, fostering **team collaboration** and enhancing **leadership skills**.

PROJECTS

Premier League Match Predictor | Python (Pandas, Scikit-learn, BeautifulSoup)

July 2025 - Present

- Developing a machine learning model to predict soccer match outcomes, using **Random Forest** as a baseline model.
- Scraping and cleaning **1500+ records** of match data (results, stats, team form) from fbref.com with **BeautifulSoup** for training.
- Evaluating model performance with **cross-validation**, aiming to improve accuracy through feature engineering.

Mizzou Exam Scheduler | React, PostgreSQL, AWS, Git, Express.js, Node.js

July 2025

- Designed and deployed a scalable **full-stack web application** that automated exam date retrieval for 1,000+ Mizzou students using **HTML**, **CSS** and **React.js**, eliminating the need for manual website searches.
- Engineered a **Node.js/Express** backend with **AWS RDS Database(PostgreSQL)** to efficiently serve exam schedules via **RESTful API**, reducing manual exam lookup time by **50%**.
- Implemented **GitHub Actions CI/CD** to automate testing and deployment processes, reducing manual validation work and improving release reliability.

Employee Management System | Java, Git, OOP

February 2025

- Developed a CRUD console application using **Java** and **object-oriented principles**, simulating business backend functionality and demonstrating proficiency in data management.
- Implemented robust data handling using collections (ArrayList, HashSet) to ensure unique employee IDs and sorted employee records for **optimal performance**.

LEADERSHIP

Vice President — Residence Hall Association

Treasurer — Blackbook Mizzou

Peer Learning Assistant — University of Missouri College of Engineering

Ambassador — University of Missouri College of Engineering

Telecommunications Chair — National Society of Black Engineers