Oghenerukevwe Sam-Ogaga (US Citizen)

(615) 635-5573 | samogaoe@rose-hulman.edu | https://www.linkedin.com/in/ruke-sam-ogaga/

EDUCATION

Rose-Hulman Institute of Technology   **Terre Haute, IN**
B.S Computer Science, Computer Engineering Minor   *May 2025*
Major GPA: 3.25
Awards/Honors: Spring 2023 Dean's List
Relevant Courses: Object-Oriented Software Development, Software Design, Data Structures & Algorithms, Database Systems, Computer Architecture, Operating Systems, Software Requirements, Advanced Digital Systems

SKILLS & INTERESTS

Programing Languages: Java, Python, SQL, C , HTML, CSS, Java Script, Verilog
Applications: Git, PyCharm, Eclipse IDE, VS Code, Figma, Microsoft SQL MNGT Studio, Jira, Jupyter Notebooks
Soft Skills: Customer Service, Communication, Problem Solving, Leadership, Time Management, and Organization
Interests: Photography, Kayaking, Video Essays, and Sewing

INTERNSHIP EXPERIENCE

Omni Federal   **Washington, District of Columbia**
Software and Data Engineer Intern – Remote   **May-Aug. 2023**
- Created a **python** program integrated with **Open AI** that generated personalized user stories for the Data Science Pathway's Machine Learning Titanic Lab found in the online learning platform, Digital University
- Constructed a recommender system in **python** using online learning platform **API's** and **matrix factorization** that analyzed the correlation of lectures found in training pathways on Digital University with the intention of increasing topic correlation
- Executed **Agile methodologies** in a remote work environment by participating in bi-weekly team meetings and contributing to product launches on deadline

Vanderbilt University   **Nashville, TN**
Biomedical Informatics Intern   **May-Aug. 2023**
- Discovered the usability of Women's Health Apps by conducting **heuristic** reviews during the span of a 4-week period
- Presented a poster detailing my findings to Vanderbilt's Biomedical Informatics Department
- Attended the American Medical Informatics Annual Symposium in Washington D.C

PROJECTS

Java Design Linter, *Java Syntax Error Indicator*   **Nov. 2022-Feb. 2023**
- Researched the application of the **ASM API's** and its usefulness in writing programs that can read java code
- Implemented a **Java** program that executed a cursory style check, design principal violation check, and a design pattern check, while upholding **three principle layers** design pattern
- Applied a **test-driven-development** implementation approach during the entirety of the project

Smart Scheduler, *Advanced Course Planner*   **Mar.-May 2022**
- Implemented course planner application that also displayed professor reviews to aid students during the registration planning process, allowing them to perform basic CRUD operations
- Designed an **Entity-Relationship diagram** with over 45+ relations and stored procedures needed to aid against **SQL-injection attacks**
- Created a **python web scraping script** to collect user reviews from "RateMyProfessor.com'
- Utilized the **JDBC API** to produce a connection between existing **Java** code and an underlying **SQL database**

LEADERSHIP

National Society of Black Engineers, *Membership Chair*   **May 2022-Present**
- Increased member attendance and participation by ~45% through coordinated intrapersonal club events

African Student Union, *Secretary*   **Jan. 2023-Present**
- Co-Founded Rose-Hulman's ASU chapter for the purpose of spreading awareness about different African cultures represented in our student body trough planning campus wide events