Takudzwa Modza

modzatakudzwa4@gmail.com | +1 (334) 354-8238| https://www.linkedin.com/in/modza/

EDUCATION

Alabama State University - *Cumulative GPA: 4.0*   Montgomery, Alabama
Bachelor of Science in Computer Science   Expected Graduation: May 2026
Honors and Awards: W.E.B. Dubois Honors Student, Presidential Scholar, Ambassador with HP, Strada scholar
Relevant Coursework: Calculus Trigonometry and Geometry, Artificial Intelligence, Introduction to Computer Science, Public Speaking, Object Oriented Programming *(LinkedIn)*

SKILLS

Programming Languages: Python *(Proficient)*, C/C++, Java, Swift, HTML, CSS, SQL/MYSQL
Frameworks and Software tools: Flask, Django, Git/GitHub, Linux, Asana, Figma, Selenium

WORK EXPERIENCE

Visilty |NASA   Montgomery, Alabama
Software Engineer intern   June 2023 – August
- Perform comprehensive research on power usage of NASA's Delay Tolerant Network Marshall Enterprise (DTNME) used in communications in the International Space Station
- Implemented 3 base station networks to measure network latency and bandwidth using C++ and Linux OS
- Collaborated with a team member to write a technical white paper on the performance of transport control protocol when using delay tolerant network

Deloitte   Harare, Zimbabwe
Cyber Risk Intern   November 2021 – July 2022
- Audited 8+ client applications and IT infrastructures to gain quality assurance on financial statements generated
- Identified 20+ vulnerabilities on an assigned project and collaborated with 6 consultants to resolve the issues
- Detected 10+ security holes in a customer database using Deloitte Software tools, enhancing revenue by $1,000

LEADERSHIP EXPERIENCE

NASA L'SPACE Academy   Virtual
Robotics Team member   May 2023 – August
- Engage in weekly sessions on NASA proposal writing and evaluation for space mission inventions
- Collaborated with 3 team member in designing and developing a quad chart proposal for the improvement of spacecraft cooling of rovers upon landing

Google Developers Student Club Lead   Montgomery, Alabama
Vice President   August 2022 – Present
- Amassed coding techniques through weekly programming challenges using Python
- Competed in 3+ hackathons every semester with 4 team members

Experian Hackathon   Costa Mesa, California
Product Developer   November 2022 – April 2023
- Spearheaded the development of a gamified learning application to teach about credit with a team of 4 members
- Pitched the platform to a panel of industry experts, earning the first prize of a $40,000 scholarship, outperforming 250 teams from 14 HBCUs

HBCU Smart Cities Challenge   North Carolina, Winston Salem
Project Manager   October 2022 – February 2023
- Led 4 members tasked with designing a Figma prototype to address housing challenges in Winston-Salem
- Held monthly meetings with city officials to define the concept and implementation phase of application