RICHMOND NTOW

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EDUCATION

Grambling State University – Grambling, Louisiana, USA Graduating May 2028
Major: Computer Science and Cybersecurity
Honors: Presidential Scholar, Eisenhower Scholar, Black Male Initiative Scholar, Colorstack Scholar
Relevant Coursework: Foundation of Cybersecurity, Introduction to Computer Science (Python), Data Structures and Algorithm (Python)* Discrete Mathematics* (* = Spring Semester), Getting Started with AI (IBM) ML

EXPERIENCE

Grambling State University – Louisiana, USA Oct 2024 – Present
Research Participant
- Collaborated with a team of 10 on a Python-based automation project designed to automatically open student portals and send email or text message notifications for assignment deadline reminders, reducing missed deadlines by 25%
- Utilized Matplotlib to create data visualizations, analyzing performance metrics that improved the automated script's efficiency by 15%
- Explore advanced python automation techniques to address 80% onboard technical challenges associated with student portals integration

Student Technology Center, Grambling State University – Louisiana, USA Sep 2024 - Present
Student Supervisor
- Facilitate user authentication by guiding 50+ users through computer login procedure to enhance security and access control
- Diagnosed and resolved over 30 technical issues weekly, achieving a 95% success rate in troubleshooting and improving system uptime

Holy Family Hospital IT Center–Techiman, Ghana Aug 2023 – Oct 2023
Intern
- Developed a python script to automate 80% of routine IT tasks like system monitoring and report generation
- Conducted over 50 Nessus vulnerability scans, improving system security compliance by 30%
- Executed 100+ database queries using Python, enhancing data retrieval accuracy by 20%

PROJECTS

Blood Alcohol Concentration Search Engine **Project Link**
- Developed a web application utilizing HTML, CSS, and JavaScript to gather user data on alcohol consumption and use information to predict users BAC with 80% accuracy.
- Engineered a responsive user interface that delivers real-time feedback reducing input error by 20%

Expense Tracker **Project Link**
- Built a Python-based Expense Tracker with a Command-line interface for adding, displaying, and removing expense records
- Integrated real-time budget analysis and input validation boosting tracking accuracy by 30%

Scholarship Program Data Visualization **Project Link**
- Built a Mercator projection of the world map using d3.js on TopoJson files visualizing data for 30+ countries
- Designed color-coded indicators (green and grey) to distinguish scholarship-supported countries, improving clarity by 40%

SKILLS AND PROFICIENCIES

- **Programming languages**: Python CSS JavaScript HTML Git C++ C Java MATLAB SolidWorks
- **Worked with**: CSS JavaScript Python HTML MATLAB SolidWorks

CAMPUS INVOLVEMENT

- National Society of Black Engineers, Colorstack, Black Male Initiative, Eisenhower Institute