ANDREW JACKSON

HUNTSVILLE, AL | 256.604.3089 | ANDREWTH848@GMAIL.COM | LINKEDIN.COM

Objective

I am a Computer Information Systems student at J.F. Drake State Community & Technical College, working toward an A.A.S. degree. I'm looking for opportunities to gain knowledge and experience in STEM.

Education

J.F. DRAKE STATE COMMUNITY AND TECHNICAL COLLEGE

May 2025 – May 2026 | Engineering
Current GPA 3.3
August 2023 – May 2025 | Computer Information Systems

Current GPA 3.3

Honorary Achievements

President of the Drake State Blue Eagle Ambassadors
Drake State FICO Data Analytics team
Jacob's Frontier Scholar
NASA Retiree Scholarship
Nation Space Club Scholarship
4th in the FICO Data Analytics Challenge

Professional Skills

Mentor, Team Collaborator, Problem-Solver, Strong Communicator, Leadership, Time Management, Critical Thinking, Project Management, Technical Writing, and Adaptability.

Academic Skills

CIS: Python, C++, Web Development (HTML), Microsoft Office 365, Adobe Photoshop, SolidWorks, AutoCAD, NXCAD, Machine Learning, Data Analytics, CCNA, Cybersecurity Fundamentals, Linux/Unix/Kali, and Cloud Computing.
Engineering: CAD Modeling (SolidWorks, NXCAD, AutoCAD), 3D Modeling, Finite Element Analysis (FEA), Prototype Fabrication, Mechanical Design, Systems Integration, Technical Documentation, Engineering Testing, MATLAB, and Problem-Solving.

Experience

NORTHROP GRUMMAN

Part-Time Software Developer | May 2025 – Present

- Developed a Java and Python-based application to monitor and verify the integrity of Northrop Grumman's missile defense systems
- Utilized Red Hat Enterprise Linux (RHEL) to deploy and manage software in secure, mission-critical environments
- Conducted functional testing and validation to confirm system performance and operational readiness
- Participated in technical briefings and documentation of application workflows, deployment procedures, and system health checks

NASA INTERN – MARSHALL SPACE FLIGHT CENTER

Technician Intern | September 2024 – Present

- Designed and optimized mechanical components for aerospace applications using CAD software (SolidWorks, NXCAD, and CREO)
- Assisted in the design, analysis, and testing of aerospace components and mechanical systems
- Assisted with prototype fabrication, assembly, and testing in a lab environment
- Documented findings and presented technical reports to NASA engineers and project leads
- Participated in project meetings, contributing technical insights and problem-solving approaches

Andrew Jackson | Huntsville, AL | 256.604.3089 | andrewth848@gmail.com | Linkedin.com

ANALYTICS COURSE – ANALYTICS CHALLENGE IN PARTNERSHIP WITH FICO

Analytics Scientist I | January 2025 – May 2025

- Analyzed real-world financial datasets to develop predictive models for credit risk assessment
- Gained hands-on experience with FICO's decision optimization and risk management strategies
- Worked with Python and Excel to manipulate and analyze financial datasets
- Used Pandas, NumPy, Scikit-learn, and Matplotlib/Seaborn for data processing and visualization
- Analyzed key credit scoring factors, such as payment history, debt-to-income ratio, and credit utilization

NASA INTERN – TUSKEGEE UNIVERSITY

Intern | May 2024 – July 2024

- Participated with MUREP on a 3D-Concrete Printing project at Tuskegee University, Tuskegee AL.
- Worked in an engineering laboratory performing tensile tests on sample mixtures using an Instron machine and documented test data.
- Developed proficiencies in Excel, CAD, Additive Manufacturing, Selective Laser Melting, Stereolithography, and Optical Microscopy.
- Applied engineering formulas to analyze stress and strain of samples.
- Presented project results to NASA MUREP officers August 22, 2024.