

Sterling Payton

Cedartown, GA, 30125 • (706) 459-0023 • sterlingwp023@gmail.com

U.S. Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Woodruff School of Mechanical Engineering **Atlanta, Georgia**
Candidate for Bachelor of Science in Mechanical Engineering *August 2023 – May 2027 (Expected)*

- Concentration: Nuclear Energy
- Scholarships: Zell Miller, Post-9/11 GI Bill

ROME HIGH SCHOOL
High School Diploma

Rome, Georgia
July 2019 – May 2023

- AP Scholar with Distinction
- High Honor Roll

PROFESSIONAL EXPERIENCE

TURNIPSEED ENGINEERS **Atlanta, Georgia**
Georgia-based civil and environmental engineering firm specializing in municipal infrastructure projects, including water, wastewater, and stormwater systems.

Intern *May – August 2024*

- Analyzed impervious surface data and produced a report supporting a funding proposal for wastewater system upgrades in Manchester, GA.
- Developed an Excel VBA macro to automate invoice formatting, reducing processing time by over 90% and saving significant labor costs.
- Developed Python scripts to automate file renaming across terabytes of data and facilitated the integration of remote servers for streamlined access and efficiency.
- Assisted with topographic surveys for construction and development across various project sites.
- Digitized and organized blueprints up to 50 years old, ensuring accurate data transfer and improving access to engineering records for over 40 municipalities.

LEADERSHIP

RESIDENCE HALL ASSOCIATION – GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, Georgia**
Director of Finance *March 2024 – Present*

- Managed a budget of \$127,000, advising the Executive and Legislative branches of the RHA and overseeing the disbursement of funds to Hall Councils.
- Handled all resident reimbursements, serving as the primary liaison between the RHA and Housing and Residence Life.
- Collaborated with campus affiliates to coordinate large-scale programs, including spearheading a joint RHA-SGA initiative to provide first aid kits in residence halls.
- Drafted revisions to governing documents to modernize interactions, leading to improved resident engagement.
- Oversaw the Financial Oversight Committee, reviewing RHA financial policies and ensuring legislative bills complied with funding guidelines.

Third Street Finance Coordinator *August 2023 – March 2024*

- Managed a budget of \$5,500, advising residents on proper use of funds and handling reimbursements.
- Coordinated and funded events for the Third Street community, benefiting hundreds of students through targeted programming.

SKILLS/INTERESTS

Affiliations: American Nuclear Society, Georgia Tech Jazz Ensembles, Georgia Tech Marching Band, Pep Band, Tau Beta Sigma (Epsilon Theta Chapter)

Technical: ArcGIS Pro, Civil3D, Java, MATLAB, Microsoft Office, PowerAutomate, Python, SolidWorks, Surveying, Visual Basic

Certifications: CPR Certified, NOCTI Engineering Technology Certification