

James Giannasi

Columbia, SC | giannasj@email.sc.edu

Education

University of South Carolina Honors College – Columbia, SC **May 2029**

Bachelor of Science in Computer Engineering GPA: N/A

Honors

Academic Scholar - Excellence Award

Bert Storey Out-of-State Scholarship

Related Work Experience

America's Thrift Stores **Chattanooga, TN**

Retail Team Member **June 2025 – August 2025**

- Performed in fast-paced opening environments, both on the floor and at the register
- Operated point-of-sale systems to serve 50-75 customers daily with 95% accuracy
- Efficiently organized over 1,000 pieces of clothing weekly using categorization systems
- Collaborated with management to set up and maintain seasonal displays and a showcase

Relevant Course Projects

Application of the Monte Carlo Method in Variation of the Travelling Salesman Problem

Algorithmic Design I **August 2025 – November 2025**

- Developed Java software to generate/graph over one million random points in Excel
- Communicated and collaborated with both mathematics and engineering departments
- Analyzed complex edge-cases in higher-dimensional spaces using Desmos and MATLAB

A Mathematical and Computational Analysis on the Effect of the Moon on the Tides

Calculus I/II **September 2024 – January 2025**

- Analyzed 2000+ data points from the A.P.O.L.L.O. project in normal point format
- Utilized mathematical/computational fitting to model temporal trends in tides/distance
- Communicated with NOAA researchers to expand understanding of predictive models
- Reflected on the shortcomings of the model and made suggestions for improvement

Skills

- **Programming/Technical Tools:** Java, Python, Microsoft Office, Zoom, MATLAB
- **Foreign Language:** CEFR B2 proficiency in German
- **Lab Experience:** Instrument Operation, Error Calculations, Safety Protocols