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EXPERIENCE

Google Software Engineering Program

Basta

February 2025 - May 2025, Remote

- Selected from a highly competitive applicant pool to participate in a 10-week pair programming and mentorship program with a Google Software Engineer, aimed at strengthening foundational coding skills, enhancing problem-solving abilities, and preparing for technical interviews.
- Implemented optimized algorithms in Python focusing on runtime efficiency, recursion vs. iteration tradeoffs, and data structure selection (lists, heaps, maps).

IT Support and Development

BuenaVista Information Systems

October 2025 - Present, North Charleston, SC

- Develop automation scripts in **Python** and **Power Automate** to streamline repetitive MSP workflows, reducing manual technician time and improving service efficiency.
- Create and maintain **standard operating procedures (SOPs)** and technical documentation to support repeatable IT processes across client environments.
- Reduced manual technician workload by automating recurring service desk tasks (user provisioning, system checks), saving ~3–6 minutes per request.
- Collaborate with the team to analyze workflow bottlenecks and propose automation opportunities to enhance service delivery performance.

Teacher's Assistant

Southern Connecticut State University

January 2025 - Present, New Haven, CT

- Evaluated and graded assignments, projects, and exams for undergraduate Computer Science courses with accuracy and attention to detail.
- Provided constructive feedback to students to support their understanding of course material and improve their coding and problem-solving skills.

PROJECT

Request Management System

- Designed and implemented a full-stack request management system using **Flask** and **SQLite**, enabling employees to submit and track various types of requests with structured workflows.
- Developed and integrated dynamic request handling features, including multi-step approval workflows, comprehensive request history tracking, and secure user authentication with enforced password reset protocols.
- Designed and styled responsive, modern UI components using **Jinja2** templating, Bootstrap Icons, and custom CSS for enhanced user experience across all roles.

Health Insights Data Research

- Processed and imputed missing values in life-expectancy datasets using **Python** and **R**, establishing consistent and reliable data foundations for research analysis.
- Built a linear regression predicting Life Expectancy from People per TV and People per Doctor.
- Applied statistical testing methodologies to healthcare datasets, uncovering trends related to gender longevity.
- Communicated findings with boxplots, histograms, scatterplots (with fit lines), and a polished PDF report.

EDUCATION

Bachelor of Science in Computer Science

Minor in Mathematics • Southern Connecticut State University • New Haven, CT • 2026

- Cumulative GPA: 4.0

SKILLS

Languages: Python, Java, R, Haskell, Bash

Frameworks & Tools: Django, Docker, PostgreSQL, Flask, Git, GitHub, AWS (ECS, S3), GCP, Power Automate, PowerShell, Linux(Ubuntu/CentOS)

Machine Learning: Pandas, NumPy, Scikit-Learn, Data Cleaning & Feature Engineering, Model Evaluation & Validation, API Data Integration

Concepts: OOP, Systems Design, Software Development Life Cycle, Data Structures & Algorithms, Automation Scripting