

Simon Blamo

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EDUCATION

- The College of New Jersey (TCNJ)** | Ewing, NJ Expected Graduation Dec. 2024
- Bachelor of Science in Computer Science (CGPA: 3.3/4.0).
 - Undergraduate Coursework: Statistical Inference; Comp. Architecture; Algorithm Analysis; Database Systems; Operating Systems; Computer Networking; Software Engineering; Information Security;
- Mercer County Community College (MCCC)** | West Windsor, NJ Spring 2019 - Winter 2021
- Associate of Science in Liberal Arts and Sciences, December 2021 (CGPA: 3.2/4.0).
 - Undergraduate Coursework: Calculus I-III.

TECHNICAL SKILLS

Languages: Java, C, C++, Python, HTML, CSS, JavaScript.

Frameworks & Libraries: Node.js, Express.js, Flask, Django, Mongoose, React, React Native, Jest, Bootstrap, Tailwind.

Databases: MongoDB, MySQL, PostgreSQL, SQLite.

Technology: Git, Github, Microsoft 365, Visual Studio, Figma, Unix, Linux, MacOS, Windows.

PROFESSIONAL EXPERIENCE & PROJECTS

- Information Technology Help Desk Support Specialist** Oct. 2022 - Ongoing
TCNJ | Ewing, NJ
- Provided comprehensive technical support to a diverse user base of students, faculty, and staff, ensuring prompt resolution of IT-related issues and inquiries.
 - Entrusted with training new hires and served as the primary consultant at the help desk, enhancing team competency and customer satisfaction, while maintaining a robust GPA.

Amazon Web Scraper & Review Analysis | Team of 2 | Python, Selenium, Git ([Github](#))

- Acquired hands-on expertise in automation development by employing Selenium Webdriver to systematically extract relevant data from Amazon product pages.
- Applied advanced techniques to assess customer bias according to user-defined parameters, demonstrating a nuanced understanding of automated web scraping and analysis.

SNJ Solar Panel Web App | Team of 5 | DHTML, Flask, PostgreSQL Database, Git ([Github](#))

- Gained experience with, and a clear understanding of the database system development process, and implemented a large database system for a real user. Had the pleasure of working with marketing and business majors to scrum and develop a local full-stack web application that effectively communicated with a local database to retrieve data, and return it back to the user.

Virtual Memory Manager | C, Linux ([Github](#))

- Designed and implemented a Virtual Memory Manager in C, featuring a TLB and page table for logical-to-physical address translation in a 65,536-byte virtual address space. Implemented demand paging to handle page faults efficiently by reading from BACKING_STORE.bin, demonstrating strong skills in systems programming, memory management, and optimization.

HALO | DHTML, Bootstrap, Python, Django, PostgreSQL Database, Git ([Github](#))

- Maintained, and streamlined application developed to alleviate hackathon operations host at TCNJ. Uses ranged from handling registration to participant and organizer management which served 200+ users.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

- Digit.ALL** | Web Master ([Website](#)) Fall 2023 - Ongoing
- Was given the responsibility to reconstruct the university organization's club website from the ground up, using HTML, Tailwind CSS, and JS. I maintained the web page throughout the rest of my academic tenure, updating the website to showcase announcements, handling the club's mailing list, etc.
- HACKTCNJ** | Web Master ([Website](#)) Fall 2023 - Ongoing
- Elected to maintain legacy application developed by the CS Department alumni. Currently making cohesive documentation for legacy application.

AWARDS & CERTIFICATIONS

- Dean's List** | MCCC | West Windsor, NJ Spring 2021
- Introduction to Front-End Development** | Meta Jul. 2023
- Python Essentials I** | CISCO Nov. 2023