

Sean Fritz

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PROFESSIONAL SUMMARY

Dedicated and detail-oriented Computer Science student with a strong foundation in networking, systems administration, and software development. Experienced in managing and optimizing computer networks, routers, and switches to enhance security and efficiency. Proficient in programming languages such as Python, Java, C++, and Bash, with hands-on experience in network scripting and automation. Adept at troubleshooting, system monitoring, and providing IT support. Strong problem-solving skills, excellent communication abilities, and a passion for technology.

KEY SKILLS & CERTIFICATIONS

General Skills: Project Management, Object-Oriented Programming, Software Engineering & Development

Programming Languages: Python, Java, C++, SQL, Ruby, Bash

Libraries: TensorFlow, PyTorch, BeautifulSoup4, Selenium, SQLite3

Development Tools: Visual Studio Code, Visual Studio, Eclipse, MySQL, Microsoft Suite

Professional Skills: Problem Solving & Critical Thinking, Communication, Project Management, Analytical Skills

EDUCATION

Monmouth University

West Long Branch, New Jersey

Bachelors of Arts in Computer Science, Minor in Information Technology

September 2022 - May 2025

- Deans List: Fall 2024 | GPA: 3.71
- Awards: Monmouth CS/SE Outstanding Student Scholarship & Leadership Award (2025)
- Relevant Coursework: Data Structures & Algorithms, Software Engineering Concepts, Database Systems, Advanced Objected-Oriented Programming & Design, Scripting Languages, Applied Discrete Mathematics

Ocean County College

Toms River, New Jersey

Associates of Arts in Liberal Arts

September 2020 - August 2022

- President's Honors List: Fall 2020, Spring 2021, & Spring 2022 | GPA: 3.8
- Honors Societies: Pi Theta Kappa

PROFESSIONAL EXPERIENCE

Monmouth University

West Long Branch, New Jersey

Computer Science & Information Technology Student Tutor

September 2023 - Present

- Assisted approximately 50 students in programming, bug-fixing, and conceptualizing various facets of computer science utilizing Python, Java, C++, and SQL
- Developed many engaging study materials and facilitated learning in various classes using Microsoft Suite, relevant online resources, and provided class notes

Monmouth Racetrack

Oceanport, New Jersey

Information Technology & Systems Administration Summer Internship

May 2024 - September 2024

- Managed and optimized computer systems and networks for back-side security and stall managers, overseeing routers, switches, and other critical infrastructure to enhance efficiency and bolster security measures
- Utilized company software and offered guidance, support, and training to a department of 6 employees
- Used a dispatch radio and office phone to facilitate communication between key organizations

DEVELOPMENT PROJECTS

Ruby on Rails Computer Availability Project

West Long Branch, New Jersey

Academic Project - Scripting Languages Course

April 2024 - May 2024

- Implemented the net-ping ruby library in a script to remotely ping approximately 24 computers over a network and return and store their availability status
- Developed a Ruby-on-Rails web server and utilized MVC software engineering practices in order to create and dynamically update a color-coded visual display based on a computers availability
- Utilized visual mark-up languages like HTML and CSS in order to design the dynamic visual display

Shipping Company Software Engineering Project

West Long Branch, New Jersey

Academic Project - Software Engineering Concepts Course

September 2023 - December 2023

- Created a Requirements Specifications Document and System Design Document for a hypothetical international shipping company.
- Specified Epics, User Stories, Acceptance Criteria, and Personas while utilizing knowledge of concepts such as High-Level Design
- Leveraged AGILE software engineering techniques to assist in development and documentation efforts