

# 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
- 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