Joseph DePalo

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ   Expected Dec 2025
B.S | Computer Science | 3.9 / 4.0 GPA
Coursework: Data Structures, Algorithms, Computer Architecture and Organization, Discrete Structures, Linear Algebra, Probability & Statistics, Research and Entrepreneurship in Computing
Awards: Dean's List (Fall 2022-Spring 2023), Edwin A. Stevens Scholarship, Presidential Scholarship

SKILLS & CERTIFICATIONS

- **Certifications:** CompTIA Network+, CompTIA Security+
- **Software/Technologies**: Linux (Arch, Debian, Kali), Windows, VMWare Workstation, VirtualBox, Docker, TCP/IP, MySQL, Wireshark, Git, Jupyter
- **Programming:** Python (Pandas, NumPy, Matplotlib), C++, Rust, C, SQL, Bash, Java, R, LaTeX
- **Languages:** English (native), Italian (A2)

EXPERIENCE

STEP Peer Tutor, Hoboken, NJ   Oct 2023 – Present
- Conducted one-on-one and group tutoring sessions to help students comprehend complex concepts in computer science, calculus, and probability & statistics.
- Assisted students in exam preparation, academic planning, and time management, ensuring they were well-prepared and organized for assessments.

STEP Tutor-Counselor Resident Assistant, Hoboken, NJ   Jun 2023 – Aug 2023
- Provided academic tutoring and peer advising to a diverse group of 48 incoming college freshmen enrolled in the Stevens Technical Enrichment Program (STEP) Bridge Summer Program.
- Helped students excel and grasp essential concepts in mathematics, physics, and microeconomics.
- Strategically planned, executed, and supervised special events aimed at fostering strong bonds and collaboration among students and faculty.
- Conducted comprehensive course reviews to ensure students had a deep understanding of key technological concepts improving their performance by 40% since the beginning of the program.

PROJECTS

JDFTP – FTP Server/Client (C++)   Sep 2023 – Present
- Designing and developing a functional FTP server and client to facilitate secure file transfers and management between systems.
- Utilizing networking protocols and socket programming to establish efficient communication between the server and client applications.
- Continuously enhancing and optimizing the codebase, implementing new features, and refining existing functionalities to meet evolving project goals.

Home Server (Debian, Wireguard, Docker Compose, Nginx)   Aug 2023 - Present
- Set up and maintained a home server using a Raspberry Pi.
- Implemented Wireguard VPN to facilitate secure remote access to the server.
- Utilized Docker Compose to host a website with Nginx.

Memor – Flashcard Review Application (Python, MySQL, Docker Compose, Git)   Aug 2023 – Aug 2023
- Conceptualized and developed a flashcard review application, "Memor," using Python and integrated it with MySQL database.
- Utilized Docker Compose to containerize the application, ensuring easy deployment and accessibility via the terminal.

INVOLVMENT

Stevens Cyber Defense Team (SCDT), Blueprint, IEEE, Stevens Technical Enrichment Program (STEP)