

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, Scikit-learn), C++, Rust, C, SQL, Bash, Java, R, LaTeX, Scheme
- **Languages:** English (native), Italian (A2)

EXPERIENCE

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.

Nobel Laureate EDA (Python [Pandas, NumPy, Matplotlib, Seaborn], Kaggle)

Jun 2023 – Jun 2023

- Conducted comprehensive data cleaning and analysis on a dataset encompassing information on 989 Nobel laureates dating back to 1901.
- Produced insightful visualizations and robust graphs using Python libraries (Pandas, NumPy, Matplotlib, Seaborn) to present key characteristics of the dataset.

INVOLVMENT

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