

# Joseph DePalo

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## EDUCATION

**Stevens Institute of Technology**, Hoboken, NJ

Expected December 2025

**B.S | Computer Science | 3.9 / 4.0 GPA**

**Coursework:** Discrete Structures, Data Structures, Algorithms, Computer Architecture and Organization, 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), Windows, VMWare Workstation, VirtualBox, Docker, TCP/IP, MySQL, Git, Jupyter
- **Programming:** Python (Pandas, NumPy, Matplotlib, Scikit-learn), Rust, C, C++, SQL, Bash, Java, R, LaTeX, Scheme
- **Languages:** English (native), Italian (A2)

## EXPERIENCE

**Stevens Technical Enrichment Program TCRA**, Hoboken, NJ

June 2023 – August 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 in foundational courses, aiding them in grasping 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

**Home Server** (Debian, Wireguard, Docker Compose, nginx)

- 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** (Python, MySQL, Docker Compose, Git)

- 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 Exploratory Data Analysis** (Kaggle, Python [Pandas, NumPy, Matplotlib, Seaborn])

- 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.

**MusRec** (Python)

- Directed a team of 3 in the development of a music recommendation program leveraging Python.
- Enabled users to input their preferred artists, offering artist recommendations based on the preferences of other users.

## INVOLVMENT

Blueprint, IEEE, STEP