Nicholas Mirigliani (he/him)

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Education

Stevens Institute of Technology (2022-2026)
Bachelor's of Science in Computer Science (minor in Visual Arts & Technology)
Cumulative GPA: 3.93

Skills

- **Web Development** - Express, Flask, MongoDB, SQLite, React, Node.js, HTML, CSS, JQuery, GraphQL, Docker, REST APIs
- **Systems Programming** - Linux, C/C++, Assembly, GDB, Bash
- **Data Science** - Python, Pandas, Jupyter Notebook, R, SQL
- **VCS** - Git, GitHub, Bitbucket
- **Microsoft Office -** Excel (openpyxl), Word, PowerPoint, Smartsheet

Courses

Web Programming II, Database Management, Software Development Process, Systems Programming, Theory of Computation, Data Structures, Algorithms, Computer Architecture, Statistics, Linear Algebra

Professional Experience

Course Assistant at Stevens Institute of Technology
- 2024/08 – present
- Taught labs, hosted office hours, and graded assignments for Computer Architecture and Systems Programming courses.
- Utilized C/C++, Assembly, Linux, and Bash.

Development Intern at Mericle Commercial Real Estate Services
- 2024/05 – 2024/08
- Researched, developed, and pitched solutions for AI and API integrations to automate and improve document control.
- Created a tool for scheduling employee trainings, streamlining the training process and enhancing organizational efficiency.
- Utilized Selenium, Chromedriver, openpyxl, and REST APIs.

Research Assistant at LIINES of Stevens Institute of Technology
- 2023/05 – 2024/05
- Acquired and visualized data from the U.S. Energy Information Administration, coordinating and compiling over 10,000 figures into a comprehensive book.
- Automated data retrieval and visualization via Python libraries.
- Utilized Python, Jupyter Notebook, Pandas, Matplotlib, REST APIs, LaTeX, and BitBucket.

Projects

Harmonize
- A full-stack web programming project utiliizting the Spotify Web API which allowed users to engage in community discussions about tracks and albums.
- Featured
- Utilized Node.js, React, ElasticSearch, Docker, GraphQL, Firebase Auth, MongoDB, HTML, CSS, and Git/GitHub.

MOBIUS LINE
- A multimedia interactive art project that had participants solve the mystery of a fictitious band's (MOBIUS LINE's) unreleased song.
- Utilized React.js, Procreate, Photography, Writing Skills, Social Media.