

NICOLA MARINO

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SUMMARY

Seeking full-time Co-Op/Internship position related to Computer Science for the Summer of 2025, with interest in: algorithms, AI, software development, low-level programming, networking, IT, security, and data science.

EDUCATION

Rochester Institute of Technology Aug. 2021- Spring 2026
Bachelor of Science, Computer Science (2026)
Courses: Concepts of Computer Systems, Introduction to Artificial Intelligence, Introduction to Data Management, Introduction to Software Engineering, Mechanics of Programming, Introduction to Computer Science Theory, Probability and Statistics, Discrete Math for Computing.

SKILLS

PROGRAMMING LANGUAGES: Java, Python, C, C++, MIPS Assembly, Bash, Angular Framework, HTML, CSS, JavaScript, TypeScript, SQL, RegEx, MDX
SOFTWARE: AWS Suite, Microsoft Office, Visio, Slack, Visual Studio Code, Eclipse, IntelliJ, Dataiku, Trello, Git Version Control, Operating Systems
PRACTICAL ABILITIES: Data Analysis, Problem Solving, Algorithms, Data Structures, Collaboration, Object Oriented Programming (OOP), Communication, Teamwork, Low-Level Programming, Data Extraction, Data Preparation, Software Development, Security Compliance, Debugging, Agile project management.

PROJECTS

TickerTape AI (Python, HTML, C, Shell) Apr. 2023 - Current
Developing an API which applies AI to analyze historical stock values and predict future values. This project incorporates a series of machine learning algorithms and manipulation logic in order to identify trends and patterns in the data, enabling accurate predictions on-demand.

Website & E-Portfolio (AstroHTML, TailwindCSS, TypeScript, JavaScript, MDX, CSS) Aug. 2023 - Current
A static personal website and E-Portfolio showcasing my Computer Science related projects, skills, and abilities. Leveraging AstroHTML and TailwindCSS in order to construct a visually appealing and rapidly loaded user experience.

Encoder and Decoder (C)
A robust encoder and decoder program, demonstrating proficiency in memory management and bitwise operators. Created for efficient data encoding and decoding, showcasing strong problem-solving and low-level programming skills.

EMPLOYMENT

Penske Truck Leasing 2675 Morgantown Road, Reading, PA 19607
Maintenance Data Analyst Co-Op Jan. 2024 - Aug. 2024
Part-Time Intern Jan. 2025 - Current

Data Analysis

- Developed and implemented algorithms to extract, clean, and analyze large datasets to identify trends and insights for decision making.
- Reduced dataset compilation time by 1200% by implementing formerly unused methods with streamlined and broadly applicable methods.
- Utilized statistical models and machine learning techniques to predict outcomes, optimize performance, and improve operations.

API Development

- Designed and implemented a fully-functional API to enable seamless integration between services, ensuring scalability and performance.
- Collaborated with other teams to define and develop specifications to ensure proper data flow and synchronization between client and server.
- Reduced average API response time by 30% via implementing techniques to optimize runtime and ensure a cost-effective implementation.

Testing and Assurance

- Conducted thorough manual and automated testing to ensure API functionality aligns with specifications, documenting any unexpected outcomes.
- Debugged and resolved API issues with thorough logging and monitoring, enhancing error detection and API robustness.

Mount Southington 396 Mt. Vernon Rd, Plantsville CT 06479
Ski Instructor Nov. 2019 - Mar. 2024

- Responsible for creating an engaging learning environment where students of all levels can develop their skiing abilities, while also fostering socialization and teamwork among co-workers. Additionally, ensuring safety on the slopes and providing excellent customer service are key aspects of the role.

CERTIFICATIONS

Six Sigma Green Belt Penske Truck Leasing
Proficient in implementing process improvement techniques to reduce variation and improve quality. Summer 2024

- Aided cross-functional teams in executing DMAIC projects, resulting in measurable technical efficiency improvements.
- Skilled in data-driven decision making and statistical analysis tools to identify causes of defects.

EXTRACURRICULARS

Alpha Epsilon Pi, Vice President, Secretary

Spring 2022 - Current

Responsible for administering the Committee Board, coordinating internal and external communications, organizing meetings, record keeping, and assisting with administrative tasks to ensure the efficient operation of the organization.