

NICOLA MARINO

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SUMMARY

Seeking Full-Time co-op Position in Computer Science for the Summer of 2025, with interest in algorithms, artificial intelligence, testing, and data analysis.

EDUCATION

Rochester Institute of Technology

Aug. 2021- Spring 2026

Bachelor of Science Computer Science (2026)

Courses: Concepts of Computer Systems, Introduction to Artificial Intelligence, Mechanics of Programming, Introduction to Computer Science Theory, Probability and Statistics, Discrete Math for Computing, Computer Science 2, Computer Science 1.

SKILLS

PROGRAMMING LANGUAGES: Java, Python, C, C++, MIPS, Angular, CSS, JavaScript, SQL

SOFTWARE: AWS Suite, Visual Studio Code, Eclipse, IntelliJ, Dataiku, Git Version Control

OPERATING SYSTEMS: MS Windows, Linux (Ubuntu)

PRACTICAL ABILITIES: Data Analysis, Problem Solving, Algorithms, Data Structure, Collaboration, Object Oriented Programming (OOP), Adaptability, Time Management, Teamwork

PROJECTS

TickerTape AI

Apr. 2023- Current

Currently developing a program that uses artificial intelligence to analyze historical stock values and predict future values. The program incorporates machine learning algorithms to identify trends and patterns in the data, which enables accurate predictions of future stock values.

'NotCraft' (Java & LWJGL3/OpenGL)

Created a Minecraft-like game using advanced 3D graphics programming techniques, such as texture mapping, as well as implementing algorithms for world generation, terrain generation, and object placement to create a fully interactive and immersive gaming experience.

Survey Analyzer (Python)

A practical application of Computer Science in a real-world project to assist in sorting and interpreting results from a survey conducted for a course at RIT.

EMPLOYMENT

Penske Truck Leasing

2675 Morgantown Road, Reading, PA 19607

Maintenance Data Analytics Co-Op

Jan. 2024 - Aug. 2024

Data Analysis

- Developed and implemented algorithms to extract, clean, and analyze large datasets to identify trends and insights for decision making.
- Utilized statistical models and machine learning techniques to predict outcomes, optimize performance, and improve operations.
- Visualized complex data enabling clear communication of findings to technical and non-technical stakeholders.

API Development

- Designed and implemented to enable seamless integration between services, ensuring scalability and performance.
- Collaborated with front-end teams to define API specifications to ensure proper data flow and synchronization between client and server.
- Implemented robust error handling and input validation mechanisms, ensuring reliability and preventing invalid data from disrupting functionality.

API Testing and Assurance

- Conducted thorough manual and automated testing to ensure API functionality aligns with specifications, documenting any unexpected outcomes.
- Performed load and stress testing to assess API reliability and scalability under varying traffic conditions.
- Debugged and resolved API issues with thorough logging and monitoring, enhancing error detection and API robustness.

CERTIFICATIONS

Six Sigma Green Belt

Penske Truck Leasing

Summer 2024

- Proficient in implementing process improvement techniques to reduce variation and improve quality.
- 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.
- Demonstrated ability to enhance performance and reduce inefficiencies through continuous improvement initiatives.

ACTIVITIES

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.