

Matthew C. Voynovich

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SUMMARY

I'm a sophomore at Rensselaer Polytechnic Institute (RPI), majoring in Computer Science and Information Technology and Web Science (ITWS). With a passion for both fields, I'm delving deeper into programming and expanding my understanding of various technologies and fields.

EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE

Troy, NY

B.S. in Computer Science and Information Technology & Web Science
Concentration in AI, Machine Learning, and Data Science

Aug 2023 - Expected May 2026

Cumulative GPA: 3.95/4.0; Dean's List 2023-2024

Relevant Coursework: Data Structures, Algorithms, Foundations of Computer Science, Discrete Mathematics, Numerical Techniques in Computing, Intro to Logic Based AI, Computer Organization, Web Systems Development

Technical Skills: Advanced in SQL, PHP, JavaScript, HTML/CSS; Proficient in MATLAB (Linearizing Data, Numerical Computing Techniques, and Modeling), Python, C, C++ (Data Structures Implementation), and Java

Awards and Leadership: 2x Dean's Honor List; Head of Events for Rensselaer Running Club

ROSLYN HIGH SCHOOL

Roslyn Heights, NY

Weighted GPA: 103.5

Sep 2019 - June 2023

National Honor Society, Science National Honor Society

Awards and Leadership: 7x All County, 1x All Conference in Cross Country and Track; Cross Country and Track Captain

PROJECTS

FRESH N' CLEAN

RPI, NY

Developer and Project Lead

Aug 2024 – Present

- Co-developed Fresh n' Clean, an on-demand laundry service platform connecting users with laundromats and independent contractors, similar to Uber.
- Utilized JavaScript, PHP, Google Maps API, and PayPal API to create an interactive and effective web application.
- Collaborated in a team using a modified Agile Scrum framework, focusing on iterative development and feedback loops.
- Managed group work effectively through GitHub Projects and Issues for task tracking and version control.

HOUND

RPI, NY

Developer

Aug 2023 – Dec 2023

- Co-developed Hound, a web application aimed at improving RPI's lost and found system by unifying disparate processes into a centralized platform.
- Implemented PHP and MySQL for database management, providing a functional and accessible solution for tracking lost and found items.
- Collaborated with a team of two classmates, utilizing Git and GitHub for version control and project management.

ID3 Decision Algorithm

Roslyn High School, NY

Developer

Nov 2022 – Dec 2022

- Implemented the ID3 algorithm to build a decision tree for making optimal decisions based on data input from a CSV file.
- Applied machine learning principles to optimize decision-making by calculating information gain and selecting the best attributes for data splits.
- Processed large datasets in Java, building a model capable of classifying new, unseen data with improved accuracy.

ACTIVITIES

RENSSELAER RUNNING CLUB

RPI, NY

Head of Events

Aug 2023 – Present

- Coordinate race and meeting schedules for the running club, ensuring effective event planning and smooth operations.
- Maintain a disciplined daily training regimen to prepare for competitive races, demonstrating commitment to personal fitness and performance improvement.