

**Matthew Shane**  
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## SUMMARY

Current undergraduate student studying computer science and math. I like exploring new technologies and programming languages, especially those that deal with large datasets and artificial intelligence.

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## EXPERIENCE

**Summer College Intern | New York Police Department (NYPD)** JUN 2024 – AUG 2024

- Developed a crime hotspot detection algorithm to assist with officer deployments across the city.
- Presented my findings to the Police Commissioner and several bureau chiefs.

**Special Education Aide | Eastern Suffolk BOCES** JUL 2022 – AUG 2022

- Assisted in the day-to-day activities of the classroom.
- Kept the classroom organized, clean, and safe for the students.

**Cashier / Delivery Driver | Capio's Pizza** SEP 2020 – MAY 2022

- Improved customer experience by providing prompt and friendly service.
  - Cleaned the establishment daily to promote a healthy environment.
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## EDUCATION

**Computer Science & Math Major | University of Massachusetts Dartmouth** AUG 2022 – CURRENT

Anticipate graduating in 2026 with bachelor's in computer science and mathematics.

**Advanced Regents Diploma w/ Mastery in Math & Science | Longwood High School** SEP 2018 – JUN 2022

FIRST Robotics Competition Team 564 | Member of the National Honor Society

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## SKILLS

**Languages:** Python, Java, C, NodeJS, x86 Assembly, Excel VBA, SQL

**Data Manipulation:** REST APIs, MySQL, MongoDB, SQLite

**Software:** Microsoft Office, Google Workspace, Git, Docker, Jira, Confluence, Windows/Linux CLI

**Hardware:** Arduino, Raspberry Pi, roboRIO, PC Building/Troubleshooting

**Soft Skills:** Technical Writing, Public Speaking, Requirements Analysis, Design Modeling

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## ACTIVITIES

BSA Eagle Scout, UMassD Honor College Member, UMassD Rugby Football Club Member, AP Scholar with Distinction, Former Blessings in a Backpack Volunteer, Former Vice President of the Longwood Robotics FRC Team 564 & Head of the Programming Department

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