

Matthew Shane
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SUMMARY

BS/MS student studying computer science and applied math. Research interests include artificial intelligence and machine learning, especially the mathematics behind such technologies.

EDUCATION

M.S. in Computer Science University of Massachusetts Dartmouth Dartmouth, MA BS/MS program	Anticipated May 2027
B.S. in Computer Science & Applied Mathematics University of Massachusetts Dartmouth Dartmouth, MA GPA in major: 4.0	Anticipated May 2026
Advanced Regents Diploma w/ Mastery in Math & Science Longwood High School Middle Island, NY GPA: Top 2% of class	June 2022

EXPERIENCE

Summer College Intern New York Police Department (NYPD) • Optimized officer deployments by implementing a crime hotspot detection algorithm • Delivered algorithm results to the police commissioner and bureau chiefs	June 2024 – Aug 2024
Special Education Aide Eastern Suffolk BOCES • Assisted in daily classroom activities • Promoted a safe environment for students through daily cleaning and organization	July 2022 – Aug 2022
Cashier / Delivery Driver Capio's Pizza • Improved customer experience by providing prompt and friendly service • Fostered a healthy environment by performing daily cleaning	Sep 2020 – May 2022

SKILLS

Languages: Python, MATLAB, Java, C, NodeJS, Assembly, Excel VBA, SQL
Databases: MySQL, MongoDB, SQLite
Version Control: Git, GitHub, Bitbucket
Software: Latex, Microsoft Office, Google Workspace, Docker
Hardware: Arduino, Raspberry Pi, roboRIO

ACTIVITIES

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