

John H. Kertscher

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Education

Hamilton College, Clinton, NY

Bachelor of Arts

May 2026

Intended Major: Computer Science

GPA: 3.93

Dartmouth High School, Dartmouth, MA

GPA: 4.0

June 2022

Departmental Awards for Excellence in Computer Science and Math Leadership

Relevant Experience

Co-Captain, First Tech Challenge Team 7571, Dartmouth, MA

Fall 2018 - Spring 2022

- Led a competitive robotics team through multiple seasons by directing daily meetings, facilitating group design discussions, and establishing production timelines to meet competition deadlines
- Collaborated with team members to organize and lead multiple offseason STEM programs including demonstrations, workshops, and annual summer programs that reached an estimated 500 students
- Organized team budgeting by reaching out to potential sponsors, writing grant applications, and managing team order requests
- Helped new members learn various hardware and software techniques, establishing best practices in future leadership and expanding knowledge of various systems critical to future success

Lead Programmer, First Robotics Competition Team 5846, New Bedford, MA

Fall 2018 - Spring 2022

- Self-taught robotics programming and established a code repository to track and maintain code beyond individual team generations
- Led the programming subteam of a regional robotics organization in the design and implementation of advanced control algorithms while maintaining code repositories and enforcing design consistency
- Directed discussions with other members of team leadership about technical feasibility and overall design direction, organizing ideas and ensuring consideration of all design propositions
- Ran the competition drive team, collaborating with other teams to organize match strategies and driving the robot

Youth Outreach Coordinator, Climate Reality Project Southcoast, Fairhaven, MA

Winter 2019 - Fall 2021

- Collaborated with a diverse group of climate activists to organize educational programs, rallies, and other events in the Southcoast MA region
- Led discussions to develop high-impact youth programs that aligned with the organization's larger projects
- Collaborated with local youth groups to coordinate outreach events geared toward younger demographics

Relevant Skills: Proficient in Mac and Windows OS software, experience with most Adobe Suite applications and all Office programs, basic proficiency in Computer Aided Design (CAD) programs, and some experience with 3D printing.