

Trudy E. Painter

10422 Mt. Sunapee Rd, Vienna, VA 22182

tpainter@mit.edu 703-915-5183 <https://trudypainter.github.io/>

Education	<p>Massachusetts Institute of Technology, Cambridge, MA — Class of 2023 Anticipated major: Computer Science and Engineering (Course 6-3)</p> <p>The Madeira School, McLean, VA — Class of 2019 Unweighted GPA: 94.4 on 100-point scale</p>
Work Experience	<p>Stillwater Human Capital — Summer 2019</p> <ul style="list-style-type: none">▶ Hired as a summer employee to lead IT and office management efforts for this recruiting and government contracting company.▶ Completed inventory of the company's IT infrastructure, performed maintenance checks and updates for all computers, and created a database system to track all of the company's IT equipment.▶ Received performance award in recognition of accomplishments and initiative.
Research Experience	<p>Laboratory for Social Machines, MIT Media Lab — January 2020</p> <ul style="list-style-type: none">▶ Created database of personal narratives through both audio and text using Python scripts.▶ Applying fundamentals of Google's PageRank algorithm, created a model to extract most reportable events from stories. <p>Johns Hopkins University Applied Physics Lab — Summer 2018</p> <ul style="list-style-type: none">▶ Investigated software vulnerabilities in commercial ships' navigation systems.▶ Designed an approach to exploit portable pilot unit system through software and radio frequency flaws and developed code to successfully implement this design.▶ Presented findings at a laboratory-wide intern symposium.
Internships	<p>Capitol Hill Intern — May-June 2018 Full-time intern for Senator Tom Udall (D-NM). Assisted with administrative tasks and systems administration of office computers. Attended hearings and provided summaries.</p> <p>Special Olympics Intern — Fall 2016 Full-time intern for five weeks with the Washington, DC, Special Olympics chapter. Planned large scale events and learned how to interact with and coach athletes.</p>
High School Activities	<p>Student Leadership Served in multiple student leader roles in high school, including Senior Class President, head of school STEM club, and captain of three different varsity sports teams.</p> <p>Athletics</p> <ul style="list-style-type: none">▶ Member of MIT's women's lacrosse team. In high school, played varsity lacrosse, field hockey, and basketball. Named to all-conference teams in lacrosse and field hockey.▶ Selected to play on Washington, DC, regional lacrosse team for Women's National Tournament (2017 and 2018) <p>Volunteer Work Earned President's Volunteer Service Award in 2014, 2015, 2016, and 2017.</p>
Relevant Skills	<p>Technical Skills Java, Python, SQL, Unix/Windows scripting, Objective C, Swift, computer networking protocols, Wireshark.</p>