

Jeremy C. Kanovsky

EDUCATION	<p>TUFTS UNIVERSITY, Medford, MA</p> <p>Bachelor of Science in Mechanical Engineering Expected May 2021</p> <p>Bachelor of Science in Computer Science Expected May 2021</p> <p>GPA: 3.55/4.00, Dean's List</p> <p>NEW HOPE SOLEBURY HIGH SCHOOL, New Hope, PA Graduated 2017</p> <p>GPA: 96.5/100, National Honor Society</p>
RELEVANT COURSES	<p>MECHANICAL ENGINEERING: Mechanical Statics and Dynamics, Thermodynamics, Simple Robotics, Intro Electrical Systems</p> <p>COMPUTER SCIENCE: Machine Structure and Assembly, Artificial Intelligence, Data Structures, Intro. Algorithms, Web Programming, Graphical User Interfaces</p> <p>SCIENCE AND MATHEMATICS: Discrete Mathematics, Physics – Electricity and Magnetism, Chemical Fundamentals, Calculus III, Differential Equations</p>
WORK EXPERIENCE	<p>SPECIALTY PAPERS AND FILMS, INC., New Hope, PA, August 2016 – June 2017</p> <p><i>Lab Assistant, Lab Technician</i></p> <ul style="list-style-type: none">• Developed printed circuitry, performed product testing and experimental method development• Operated a differential scanning calorimeter and thermal transfer printers <p>CANNONVILLE BEACH ASSOCIATION, Mattapoisett, MA, Summers 2014 – 2017</p> <ul style="list-style-type: none">• Managed beach cleanup and admission
RESEARCH EXPERIENCE	<p>TUFTS UNIVERSITY, DEPARTMENT OF MECHANICAL ENGINEERING, <i>Undergraduate Research Project</i>, May 2018 – Present</p> <ul style="list-style-type: none">• Developed code infrastructure to control multiple quadcopter UAVs• Implemented UAV three-dimensional positioning system and feedback control
SKILLS	<p>Computer: C++, Java, HTML, CSS, JavaScript, Node.js, Git, Python</p> <p>Design: Adobe Illustrator, Adobe Photoshop</p> <p>Hardware: Arduino, Raspberry Pi, Computer Assembly</p> <p>Lab: Differential Scanning Calorimeter, Transfer Thermal Printing</p>
ACTIVITIES	<p>Tufts Engineering Student Council, <i>Treasurer</i>, January 2017 – Present</p> <p>Tufts Robotics Team, <i>Treasurer</i>, September 2017 – Present</p> <p>Tufts MAKE Club, <i>Project Leader</i>, September 2017 – Present</p> <p>Tufts Rocketry Team, <i>Co-Founder</i>, November 2017 – Present</p> <p>Vex Robotics Team, <i>Founder</i>, September 2016 – June 2017</p>
PROJECTS	<p>Autonomous Quadcopter UAV, January 2018 – May 2018</p> <ul style="list-style-type: none">• Lead a project team designing, building, and programming a semi-autonomous quadcopter UAV for open-ended applications <p>Trinity Firefighting Robot, December 2017 – May 2018</p> <ul style="list-style-type: none">• Designed, fabricated, and programmed a robot entered in the Trinity College International Robot Contest <p>Motorized Skateboard, September 2017 – December 2017</p> <ul style="list-style-type: none">• Designed and assembled an electric motorized longboard <p>Expo® Marker Digitizer, October 2017 (Tufts Hackathon)</p> <ul style="list-style-type: none">• Designed and assembled a removable pen digitizer for a whiteboard marker to generate PDF files of handwriting