**Jeremy C. Kanovsky**

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| Education | **Tufts University,** Medford, MA  Bachelor of Science in Mechanical Engineering Expected May 2021  Bachelor of Science in Computer Science Expected May 2021  GPA: 3.55/4.00, Dean’s List  **New Hope Solebury High School,** New Hope, PA Graduated 2017  GPA: 96.5/100, National Honor Society |
| Relevant  Courses | **Mechanical Engineering:** Mechanical Statics and Dynamics, Thermodynamics, Simple Robotics, Intro Electrical Systems  **Computer Science:** Machine Structure and Assembly, Artificial Intelligence, Data Structures, Intro. Algorithms, Web Programming, Graphical User Interfaces  **Science and Mathematics:** Discrete Mathematics, Physics – Electricity and Magnetism, Chemical Fundamentals, Calculus III, Differential Equations |
| Work  Experience | **Specialty Papers and Films, Inc.,** New Hope, PA, August 2016 – June 2017 *Lab Assistant, Lab Technician*   * Developed printed circuitry, performed product testing and experimental method development * Operated a differential scanning calorimeter and thermal transfer printers   **Cannonville Beach Association,** Mattapoisett, MA, Summers 2014 – 2017   * Managed beach cleanup and admission |
| Research Experience | **Tufts University, Department of Mechanical Engineering,** *Undergraduate Research Project*, May 2018 – Present   * Developed code infrastructure to control multiple quadcopter UAVs * Implemented UAV three-dimensional positioning system and feedback control |
| Skills | **Computer:**  C++, Java, HTML, CSS, JavaScript, Node.js, Git, Python  **Design:**  Adobe Illustrator, Adobe Photoshop  **Hardware:**  Arduino, Raspberry Pi, Computer Assembly  **Lab:**  Differential Scanning Calorimeter, Transfer Thermal Printing |
| Activities | **Tufts Engineering Student Council,** *Treasurer*, January 2017 – Present  **Tufts Robotics Team**, *Treasurer*, September 2017 – Present  **Tufts MAKE Club**, *Project Leader*, September 2017 – Present  **Tufts Rocketry Team,** *Co-Founder,* November 2017 – Present  **Vex Robotics Team,** *Founder*, September 2016 – June 2017 |
| Projects | **Autonomous Quadcopter UAV,** January 2018 – May 2018   * Lead a project team designing, building, and programming a semi-autonomous quadcopter UAV for open-ended applications   **Trinity Firefighting Robot,** December 2017 – May 2018   * Designed, fabricated, and programmed a robot entered in the Trinity College International Robot Contest   **Motorized Skateboard,** September 2017 – December 2017   * Designed and assembled an electric motorized longboard   **Expo® Marker Digitizer,** October 2017 (Tufts Hackathon)   * Designed and assembled a removable pen digitizer for a whiteboard marker to generate PDF files of handwriting |