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, Algorithms, Web Programming, Graphical User Interfaces
SCIENCE AND MATHEMATICS: Discrete Mathematics, Physics – Electricity and Magnetism, Chemical Fundamentals, 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/C++, Java, HTML, CSS, JavaScript, 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 2018 – Present
Tufts Robotics Team, *Treasurer*, September 2017 – Present
Tufts MAKE Club, *Project Leader*, September 2017 – Present
Tufts Rocketry Team, *Co-Founder*, November 2017 – Present
NHS 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 Longboard, 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