

ELLIOT PAVLOVICH

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45 Hudson View Way
Unit 402
Tarrytown, NY 10591

EDUCATION

BS	Tufts University, Mechanical Engineering Second Major in Mathematics	May 2019
MS	Tufts University, Mechanical Engineering	May 2020

HONORS AND AWARDS

Dean's List Excellent grades all through college	2017, 2018, 2019, 2020
Presidential Award 300+ hours of community service in one year	2015

RESEARCH EXPERIENCE

Center for Engineering Education and Outreach , Medford, MA Research Assistant	2017 to 2021
<ul style="list-style-type: none">Helped to develop Internet of Things platform (Thingworx)Worked to design and build robots that would collaborate with the Thingworx platformHelped graduate student run IoT workshops for high schoolersExplored cloud possibilities with Wolfram Mathematica, designing dynamic weather websites	

PROFESSIONAL TRAINING

Certified LabVIEW Associate Developer , [National Instruments], May 2018 Proficient LabVIEW Skills
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WORK EXPERIENCE

Dwight Schools Jan 2022 – Present Engineer in Residence Run the high school makerspace, teaching students how to use the tools, and assist design/tech teachers grades 1-12. Starting a FIRST robotics team and an aerospace program

connecting the school's five campuses across the globe. Designing 11th grade curriculum to steer the design class in a slightly more engineering direction

Nolop Makerspace Sept 2019 – Mar 2020

Machine Shop Supervisor

Designed and fabricated projects. Supported everyone, from first-time fabricators to experienced engineers in their prototyping endeavors

Tufts University Jan 2019 – May 2020

Teaching Assistant

Undergraduate Robotics- Supported students working with pyboards

Mechanical Engineering Student Capstone- Worked with groups to brainstorm and prototype projects for their semester-long senior capstone project

Undergraduate Controls- Supported professor with curriculum design and led office hours for making a self-balancing motorcycle

Aurora Flight Sciences May 2019 – Aug 2019

Robotics Engineer

Designed and prototyped a drone with a team. Manufactured original designs in the machine shop.

AWL Industries, Inc., July 2016 - August 2016

Secretary

Worked in accounting, preparing contracting bills and payroll. Scanned and filed old contracts for storage.

COMMUNITY SERVICE

Protestant Student Association, Sommerville, MA

March 2017 – March 2020

Cook for Sommerville Homeless Coalition

SBPLI FIRST Robotics, Long Island, NY

2015, 2019, 2022

Referee and Judge

Long Island Science Museum, Manhasset, NY

July 2014 – August 2014

Volunteer Camp Counselor

LANGUAGES

English: Native Language

French: Intermediate Listener, Intermediate Speaker, Intermediate Reading and Writing

German: Novice Listener, Novice Speaker, Novice Reading and Writing

COMPUTER SKILLS

LabVIEW: Advanced, CLAD

Robot C: Advanced

Python: Advanced

SolidWorks: Advanced

MathCAD: Intermediate

MATLAB: Intermediate

ROS: Intermediate

C++: Intermediate

RECENT TRAVEL

All 50 States (2021), **Croatia** (2017, 2018), **Germany** (2017), **France** (2018), **Switzerland** (2018)

OTHER

Collegiate Fencer
President of the Undergraduate Math Society
Music Director for Protestant Student Association
Member of Tufts Aerospace/Rocketry Club

REFERENCES

Dr. Chris Rogers, Professor
Mechanical Engineering
Tufts University
Phone: (617)-627-2882
Email: chris.rogers@tufts.edu

Brandon Stafford, Lecturer/Head of Makerspace
Mechanical Engineering
Tufts University
Phone: (617)627-3239
Email: brandon.stafford@tufts.edu