

Education

Bergen County Academies

Hackensack, NJ

Academy for Engineering Design and Technology

June 2016

- Project Lead the Way: Principles of Engineering, Computer Integrated Manufacturing, Int/Adv EE

University of Michigan, College of Engineering

Ann Arbor, MI

B.S.E in Aerospace Engineering

Expected April 2020

- Intro to Aerospace Engineering, Intro to Computers and Programming, Multivariable Calculus

Work Experience

Intern at Recon Industrial Controls Corporation

Sept 2015 – June 2016

- Independent engineering contracting company developing/manufacturing electronic instrumentation, control hardware and software for industrial use
- Tested methods for a wireless serial link to the LabRecon board
- Ported LabRecon software to Linux using the WINE environment

Teacher's Assistant at City College of New York, Grove School of Engineering

June 2015 – Aug 2015

- Instructed and planned the curriculum for an intensive 6-week robotics class
- Covered basic Python, Unix command line, circuit theory, mechanics, and gen electronics to make a sumo robot

Apprenticeship at Prince Electrical Contracting Corp.

July 2016 – Aug 2016

- Various roles in the creation of the Hilton DoubleTree at 350 W 40th St, NYC

Extracurricular Experience

MRacing Formula SAE (Project SOAR)

Sept 2016 – Present

- Transferred existing electronics documentation into Altium Designer Suite
- Redesigning electrical system to remove the need of a traditional wiring harness by routing onto a PCB instead

Locating and Identifying Viable Asteroids (NASA ICED)

Nov 2013 – Nov 2014

- Prototyped a device with Arduino, custom-made PCB to measure the magnetic permeability of an asteroid and estimate amount of water gained from harvest
- Worked in collaboration with Kokutai-ji High School, sponsored by the Japanese Ministry of Education
- Presented at the Super Science HS Convention, at the Hiroshima International Conference Hall

Rage in the Cage Robotics Competition

Nov 2013 – May 2014

- 3rd place overall; Rookie Championship win against teams such as Carnegie Mellon

Michigan Men's Glee Club; Bass I

Sept 2016 – Present

Leadership Experience

hackBCA: Chief of Staff

2014 – 2016

- Board member for the third iteration of hackBCA, one of the largest high school hackathons in the nation
- Coordinated staffing for the event (chaperone assignment, designation of day-of roles)
- Handled day-of events/logistics, tending to problems as they came
- Reached out to various schools, organizations to increase female attendance over 35%

Junior State of America (JSA): Director of Fundraising

2012 – 2015

- Reduced overnight convention costs by over \$100 per attendee, ended 2014 with over \$3000
- 2014 Junior State of America National Civic Impact Award

Class Council: Academy Representative | Student Council: 2016 Class Representative

2012 – 2016

Skills

Fluent in Mandarin; Microsoft Office; Adobe Suite CS6; Autodesk Inventor and CAD software; Altium Designer; Shop tools, machines (e.g. lathes, mills); Java (Basic), Python (Basic) C/C++ (Basic), Mathematica, MATLAB; Unix command line