

Mindy Tieu

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EDUCATION

Olin College of Engineering, Needham MA

Bachelor's in Mechanical Engineering Candidate, May 2017. Current GPA 3.5

- Previous courses: Principles of Modern Biology, Mechanics of Solids and Structures, Thermodynamics, User Oriented Collaborative Design, Dynamics, Modeling and Control.

Montgomery High School, Skillman NJ

High School Diploma, June 2013. GPA 3.8 weighted

- Advanced courses: Macroeconomics, Microeconomics, Statistics, Biology, Calculus AB, Environmental Science.
- 2010-2013 Varsity Women's Fencing Team Captain.

EXPERIENCE

MA Space Grant Research Engineer, Needham MA

June 2015 - Aug 2015

- Conducted Finite Element Analysis of a new orthodontic pacifier design by Dr. Tesini.
- Designed, fabricated, and tested perching landing gear for implementation on drones.
- Designed and created a custom website to feature Professor Chris Lee's research projects.

Snot Bot Research Engineer, Needham MA

Sept 2014 - Dec 2014

- Implementing autonomous quad-copter drones in whale research with Ocean Alliance.
- Field tested and acquired data from drone and whale simulated interactions.

Design Nature Course Assistant, Needham MA

Sept 2014 - Dec 2014

- Assisted professors in the modification and execution of a design course for first years at Olin.
- Provided in class assistance to students, held office hours and tutorials on SolidWorks and mechanical design, and managed class stock materials and design stockroom.

Santos Family Foundation Researcher, Needham MA

June 2014 - Aug 2014

- Devised a Senior Capstone Program in Engineering (SCOPE) project that bridged the Santos mission for automotive safety with the needs and values of a team of Olin seniors.
- Implemented design frameworks and handled of co-designs and expert interviews.

Robot X Research Engineer, Needham MA

Jan 2014 - May 2014

- Designed and fabricated sensor mounts on Robot X, an intelligent maritime vehicle shared by Olin and MIT that won the Robot X Challenge in Singapore fall 2014.
- Developed advanced composite fabrication skills for marine applications through CAD modeling and machine shop use at Olin College.

United States Fencing Association Referee, Maplewood NJ

Sep 2011 - Mar 2013

- Referee at interscholastic and USFA rated events around the PA, NJ, and NY area.
- Inspected sporting equipment to ensure compliance with current event and safety regulations, awarded points and imposed penalties, and assisted bout committee to keep the tournament running and determine final event results.

ADDITIONAL SKILLS

Experienced in: SolidWorks, MATLAB, LabVIEW, HTML, CSS, LaTeX

Trained on: Mill, Lathe, Laser Cutter, Composites, Horizontal and Vertical Band Saws, Drill Press