

# 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*

- Current courses: Principles of Modern Biology, Mechanics of Solids and Structures, Thermodynamics, User Oriented Collaborative Design, Japanese II, Prop Design and Fabrication Passionate Pursuit.

### 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

### Snot Bot Research Engineer, Needham MA

Sept 2014 - Dec 2014

- Implementing autonomous quad-copter drones in whale research with Ocean Alliance.
- Assisted redesign of next Snot-Bot 3D printed drones for improved versatility.
- 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.
- Documented and passed all information to the fall 2014 team in a single website.

### 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, 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, LaTeX

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

**Conversant in:** Cantonese, Spanish, Japanese, and learning Russian