

# ALEXIS MITCHNICK

(631)-721-6122  
[amitchn@seas.upenn.edu](mailto:amitchn@seas.upenn.edu)

10 Parkwood Lane  
Dix Hills, NY 11746

## EDUCATION

---

**University of Pennsylvania School of Engineering and Applied Science** | Philadelphia, PA May 2019

- Candidate for Bachelor of Science in Engineering, *Cumulative GPA*: 3.8/4.0
- *Major*: Mechanical Engineering and Applied Mechanics, *Minors*: Computer Science, Mathematics
- *Relevant Coursework*: Product Design, Statics & Strength of Materials, Thermodynamics, Programming Languages and Techniques I, Introduction to Mechanical Design

**Half Hollow Hills High School West** | Dix Hills, NY June 2015

- *Cumulative GPA*: 98.5/100
- Member of National Honor Society, National Art Honor Society
- Recipient of Oberlin College Book Award and Board of Education Award

## WORK & VOLUNTEER EXPERIENCE

---

**Penn Aerospace Balloon Team** | *Space Balloon Engineer*, Philadelphia, PA August 2016 – Present

- Work as an altitude control specialist to design, build and implement a system that allows for on-command inflation and deflation of the balloon to remotely control its altitude during flight

**Jewish Heritage Program** | *Event Coordinator*, Philadelphia, PA August 2015 – Present

- Organize and run 5+ events and fundraisers each semester aimed at enhancing Jewish culture on Penn's campus

**Camp Wah-Nee** | *Co-division Director, Zumba/Dance Instructor*, Torrington, CT June – August 2015, 2016

- Led 25+ 8 & 9 year-old girls in group activities, taught 10+ Zumba classes, organized and directed multiple camp-wide dance performances

**Peer Tutor** | Dix Hills, NY January 2014 – June 2015

- Worked as both a volunteer and paid tutor in Algebra, Geometry, Trigonometry, Biology, Earth Science and Chemistry

## LEADERSHIP EXPERIENCE

---

**Physics Club** | *Founder, Publicist* January 2015 – June 2015

- Founded club for students to discuss current scientific events, perform physics experiments
- Recruited 20+ members to join the club, advertised for club meetings

**Student Government** | *Vice President of the Class* September 2012 – June 2015

- Represented class, organized and led 20+ grade-wide events and activities

**Danceline Team** | *Captain* September 2011 – June 2015

- Choreographed and taught 6+ nationally-ranked, award-winning routines, competed on a local and national scale, displayed teamwork and leadership capabilities

## SKILLS & INTERESTS

---

- Proficiency in Java, OCaml and Matlab programming languages, Solidworks prototype software, Makerbot 3-D printing, laser cutting, Adobe InDesign software, and Microsoft Office technologies; Developing proficiency in Arduino programming
- **Interests**: Aerospace, Artificial Intelligence, astronomy, drawing, painting, photography, fashion, and dance