

## EDUCATION

### **Cornell University** - Ithaca, NY (Class of 2019)

Candidate for B.S. in Mechanical Engineering, Minor in Design and Environmental Analysis and Architecture

### **Yestermorrow Build/Design School** (gap year) - Waitsfield, VT (2014-2015)

- Certificate in Sustainable Building and Design. Certificate in Woodworking
- Designed and built independent projects including a desk, cabinets, and chairs (see [website](#) for more information)
- Studied architecture, sustainable building technologies, permaculture, and urban planning

### **Phillips Exeter Academy** - Exeter, NH (2010-2014)

AP Comp Sci., AP Calculus BC, AP Chemistry, AP Spanish, AP Physics

**SAT:** Math 800, Writing 770, Reading 730

## SKILLS

**Computer:** Solidworks, Sketchup, Java, CorelDraw

**Design:** Laser Cutting, 3D Printing, Prototyping, Model Making, Woodworking, Glass Blowing, Welding

## EXPERIENCE

### **Taktse International School** - Sikkim, India (Summer 2013)

*Robotics Team Founder and Primary teacher for 1<sup>st</sup> grade class*

- Developed and led a robotics class for high school students
- Volunteered to design and teach English and math to 1<sup>st</sup> grade students

### **Juggernaut Design** - Phoenix, AZ (Summer 2012)

*Design intern*

- Researched, designed, and prototyped products for clients
- Observed a daily inefficiency (drying reusable waterbottles) and prototyped a waterbottle rack to eliminate

### **Arizona State Univ. Robotics Lab** - Phoenix, AZ (Summer 2012)

*Robotics intern*

- Conceptualized, built, and programmed a robot controlled with Arduino (programmable computer circuit board) to interactively teach geometry to middle school students

### **Phoenix Desert Botanical Garden** - Phoenix, AZ (2009-2010)

*Desert Landscaper Certification*

- Completed a yearlong intensive class covering botany, xeriscape design, soil chemistry, irrigation systems
- Designed (with Google Sketchup) and implemented a landscape for a needy family

*Plant Genetics intern*

- Used Polymerase Chain Reaction to identify the species of plants found in antelope feces to help repopulate the native flora in areas destroyed by fire.

### **Spanish Immersion** – Peru, Spain (Summer 2009, 2010)

- Earned scholarship for academic excellence to study in Peru and Spain

## HONORS

College Board AP Scholar with Distinction	2014
Phillips Exeter Academy Art Department Award	2014
Scholastic Art & Writing Silver Key Art Awards – Sculpture and Fashion Design	2014
National Winner of National Center for Women & Information Tech. (NCWIT) Award	2013
Scholastic Art & Writing Gold Key Art Awards for glass-blown vase and glass-blown paperweight	2013

## OTHER ACTIVITIES

- Co-head Mechanical Engineering Club (projects include a successful concrete canoe, wheel chair bike motorized wooden sled, bird houses)
- Co-head Sustainable Food Club (planted low-impact garden on campus)
- NOLS Wilderness First Aid
- Completed month-long “Rayado” backpacking trek (>250 miles) at Philmont Boy Scout Ranch (2011).
- Girl Scout Trek Leader for 10 day backpacking trip (2010), Trekking Inca Trail to Machu Picchu
- Month-long cycling trip (>500 miles) up the New England Coast (2009). SCUBA. Certifications include Rescue Diver, Emergency First Responder, Advanced Underwater, Night Diver and 7 other specializations
- Unconventional Fashion Design Challenge, Best Buddies Community Service, Glassblowing, Clarinet