

CAMILLE RUCKER

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EDUCATION

Cornell University, College of Engineering

Ithaca, NY

Bachelor of Science in Mechanical Engineering with minor in Design and Environmental Analysis 2015-2019

- Meinig Family Cornell National Scholar
- Coursework includes Statics and Mechanics, Engineering Modern Structures, Computer Science, Physics Mechanics, Physics E&M, Differential Equations, Introductory Design, Design Psychology

Yestermorrow Build/Design School (gap year)

Waitsfield, VT

Certificate in Sustainable Building and Design, Certificate in Woodworking

2014-2015

- Designed and built independent projects including a desk, cabinets, and chairs (see website)
- Studied architecture, sustainable building technologies, permaculture and urban planning

Phillips Exeter Academy

Exeter, NH

· AP Computer Science, AP Calculus BC, AP Chemistry, AP Spanish, AP Physics

2010-2014

· SAT scores: Math 800, Writing 770, Reading 730

EXPERIENCE

Taktse International School, Sikkim, India

Summer 2013

- Developed and led robotics curriculum for high school students, primary English and Math teacher for first grade

Juggernaut Design, Scottsdale, AZ

Summer 2012

- Researched, designed and prototyped products for clients, completed independent collapsible water bottle drying rack

Arizona State University Robotics Lab, Tempe, AZ

Summer 2012

- Conceptualized, built, and programmed an Arduino-controlled robot to interactively teach geometry to middle school students

SKILLS

Computer: AutoCAD, Solidworks, Java, MATLAB, HTML, Arduino, Sketchup, CorelDraw

Design: Laser Cutting, 3D Printing, Prototyping, Model Making, Woodworking, Glassblowing, Welding, Certified in Xeriscape and Desert Landscape Design

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

CUSD (Cornell University Sustainable Design Project Team)

2015-2016

- Developing sustainability metric and indicator graphic for consumer products to allow informed purchase decisions
- Planning and carrying out user testing to measure indicator impact

Co-head Mechanical Engineering Club

2013-2014

- Projects include a successful concrete canoe, wheelchair bike, motorized sled, bird houses

Outdoor activities

- NOLS Wilderness First Responder
- Trekking: Month-long Philmont Boy Scout "Rayado" backpacking trek (>250 miles), Girl Scout Trek Leader for 10 day backpacking trip, hiked Inca Trail to Machu Picchu, Rim to Rim Grand Canyon hikes
- Scuba: Rescue Diver, Emergency First Responder, Advanced Underwater, Night Diver, and 7 more

HONORS

College Board AP Scholar with Distinction

2014

Phillips Exeter Academy Art Department Award

2014

Scholastic Art Award Gold Keys for sculpture/fashion design and glassblowing

2013, 2014

NCWIT National Award Winner (National Center for Women & Information Technology)

2013