

Casey Monahan

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914-714-8380

EDUCATION

Franklin W. Olin College of Engineering

Candidate for Bachelor of Science in Engineering: Sustainable Design

Recipient of 4-year, 50% Olin Merit Scholarship

Coursework: Sustainable Design, Integrated Product Design, Environmental Limits and Conservation, User Oriented Collaborative Design, Affordable Design and Entrepreneurship, Printmaking, Design of Energy Systems, Human Factors in Interface Design

Needham MA

December 2014

GPA: 3.32

Pleasantville High School

Advanced Regents Diploma, National Merit Finalist

Pleasantville NY

June 2010

WORK EXPERIENCE

Generator Design for Development – Research Assistant

- Participated in 18 month project designing power generators to be manufactured in Uganda under the advisement of Dr. Abigail Mechtenberg, with the goal of creating microgrids for improved electricity reliability
- Explored and tested methods to teach technicians how to build generators using local materials
- Taught two part workshop outlining basic production methods

Olin College

2013-2014

Citizen's Campaign for the Environment – Community Organizer

- Assisted local grassroots organization in raising awareness and funds to support environmental conservation projects and legislation
- Researched wastewater treatment and delivered presentations to educate members of the organization

White Plains NY

Summer 2013

Island's End Farm and McDonald Ranch Assistant

- Assisted local farmers in harvesting and selling a variety of fruits and vegetables; tended farm animals
- Experienced complexities and challenges of organic and permaculture farming practices

Cathlamet WA

Santa Rosa CA

Fall 2012

Cultural Anthropology in Assistive Technology – Research Assistant

- Worked with professor Caitrin Lynch to characterize how people with disabilities interact with emergency technologies to make their lives safer
- Interviewed users living with disabilities, including the elderly and military veterans
- Examined the potential role of assistive technologies to prevent suicide in military veterans

Olin College

Summer 2012

RELEVANT PROJECTS

Design of Energy Systems: Designed and constructed a wind turbine appropriate for deployment in developing countries, using locally available materials and strict cost limits

Fall 2013

Integrated Product Design: Applied a real-world, user-oriented design process to develop and prototype a clothing storage system that keeps clothing fresh between multiple wears

Spring 2013

Introduction to Sustainability: Analyzed the environmental impacts of a portion of the town of Wellesley using data and resident interviews and designed solutions to improve sustainability

Fall 2013

ACTIVITIES

Babson Women's Club Rugby - Forwards captain Fall 2012

Led practices and workouts for teammates, acted as a liaison to referees and other teams

2010 - 2014