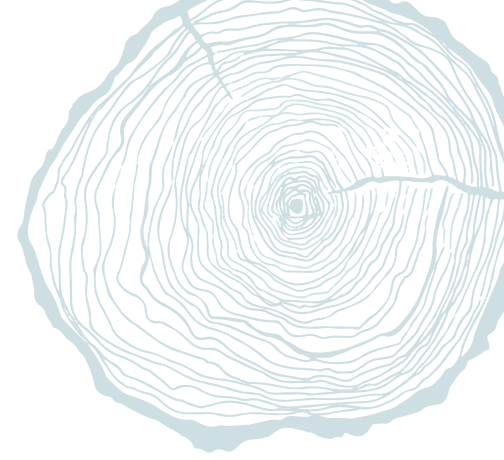# Izzy Jade Harrison

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EDUCATION

Olin College of Engineering - Needham, Ma *May 2019*
Candidate for Bachelor of Science in Engineering
Key Courses: Design Nature, Mechanical Prototyping, Products and Markets, Principles of Engineering, Quantitative Engineering Analysis

Gap Year *Dec. 2014 - July 2015*
+ Spent 2 months working on a political campaign
+ Spent 3 months alone in New Zealand, volunteering on organic farms and backpacking
+ Spent 2 months hiking 900 miles of the Pacific Crest Trail from the Mexico Border to Yosemite

EXPERIENCE

Olin College - Machine Shop Teaching Assistant *September 2016-*
Laser Cutting NINJA
+ Co-manage the Machine shop's laser cutters
+ Make impovements to the space and signage
+ Train other students to use the machines

Olin College - OWL (Olin Workshop on the Library) *January 2016 -*
OWL Student Worker
+ Working to continue the total transformation of the Olin library into an innovative space for resources, learning and creating
+ Projects such as redesigning the tool display using CNC routed kerf and peg

QEA Classroom Redesign *June 2016 – Aug. 2016*
Summer Researcher
+ Spent 8 weeks with a partner redesigning the space of a curricular experiment,
+ Went through the design process, keeping the user interactions in mind and interviewing students and professors
+ Projects such as welding tables and sourcing furniture

Santa Cruz Institute of Particle Physics *July 2012 – Aug. 2012*
Summer intern
+ Designed and built Muon telescope with a partner and conducted an experiment about the Flux of Muons
+ Work published in scientific journal

SKILLS

Software:
+ Illustrator
+ Solidworks
+ Matlab
+ HTML5/CSS
+ Arduino C
+ Final Cut

Making:
+ Laser Cutting
+ Mig Welding
+ Mill & Lathe
+ Woodshop
+ Knitting
+ Sewing

LEADERSHIP

+ Co-Capt. of Tri-college Climbing Team
+ Honor Board Representative
+ GrOW Leadership Team
+ Outings Club Leadership Team
+ Brown Enviro. Leadership Lab

design. sustainability. adventure.