

James Lipe
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Available: July 6 – December 31, 2015, through the Northeastern University Co-op Program

Education

Bachelors of Science Chemical Engineering, *Northeastern University*, Boston MA May 2017

GPA: 3.56

Honors: Dean's list (Spring 2013, Fall 2013)

Courses: Thermodynamics I-II, Transport I-II (with lab), Physics I-II (with lab), Calculus I-III, Organic Chemistry I-II (with lab), Biology, Differential Equations and Linear Algebra, Engineering Design (using AutoCad), Problem Solving w/ computations (Using C++ and MATLAB), Conservation Principles, College Writing

Activities: American Institute of Chemical Engineers, Ultimate Frisbee – Club Team

Colorado Rocky Mountain School, Carbondale, CO

June 2012

Activities: Chemistry and Physics Lab Assistant; Adaptive Ski Guide

Sports: Bike Team Capitan (2012); Snowboard Team; Kayak Team; Rock Climbing Team

Computer Skills

Applications: Solid Works (introductory), AutoCAD, MATLAB, Microsoft Excel

Programing: C++

Work Experience/Volunteer Experience

E ink, Billerica, MA

July – December 2014

Research and Development Coop

- Worked alongside senior researcher testing and analyzing new pigment formulations
- Developed new procedure utilizing total internal reflection for ink testing
- Analyzed spectral data to better understand pigment movement in complex systems
- Worked in chemical laboratory and clean room

Summer Camp Counselor, Tuxedo, NC

Summer 2013

Bike Staff

- Camp for 8-16 year olds taking kids on weeklong outdoor trips (kayaking, hiking, etc.)
- Cabin Counselor – age 8 (3 weeks), age 14 (6 weeks)
- Lead day long bike trips and co-lead 3-4 day trips
- Certified First Aid

Wild Animal Rescue Center Volunteer, Arenal Area, Costa Rica

May 2012

- Stayed with host family with full Spanish Immersion for 3 weeks
- Cleaned cages and fed animals
- Helped build pathway to river

Background and Interests

- Went to boarding school specializing in outdoor education
- Conversational In Spanish

References will be furnished upon request