

James Lipe
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Education

Bachelors of Science Chemical Engineering, Northeastern University, Boston MA December 2016
GPA: 3.58

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

Courses: Computational Modeling in Chemical Engineering, Process Control, Process Design, Kinetics, Modern Physics, Thermodynamics I-II, Transport I-II (with lab), Physics I-II (with lab), Calculus I-III, Differential Equations and Linear Algebra, Engineering Design (using AutoCad), Problem Solving w/ computations (Using C++ and MATLAB), Organic Chemistry I-II (with lab), 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

Courses: Web Development – Career Foundry, Computational Modeling in Chemical Engineering - Northeastern, Web Design - Northeastern

Applications: AutoCAD, ArcGIS, Office, Solid Works (introductory), MATLAB

Programing: Ruby on Rails, Python, HTML, CSS, Javascript, C++

Work Experience/Volunteer Experience

Town of Wellesley, Wellesley, MA July – December 2015
Engineering Coop

- Completed Dig Safe mark outs and managed mark out system
- Assisted during field surveys
- Provided cost estimated for reconstruction projects
- Worked with AutoCAD doing basic level design

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, Summer 2016
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

References will be furnished upon request