

# Allison M. Hallock

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Cambridge, MA 02139

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Lafayette, CO 80026

## Education

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Cambridge, MA

*Candidate for Bachelor of Science in Chemical Biological Engineering* | 4.1/5.0

June 2016

Relevant Coursework | Introduction to Chemical Engineering, Fluid Mechanics, Organic Chemistry, Thermodynamics, Differential Equations, Multi-Variable Calculus, Electricity & Magnetism

### PITTSFORD MENDON HIGH SCHOOL

Pittsford, NY

*High School Diploma with Distinction* | 4.0/4.0

Captain of Cross Country and Track Teams, National Honor Society, National 4<sup>th</sup> Place in LifeSmarts Health & Safety, School Record Holder in multiple track events

## Research Experience

### MIT

Cambridge, MA

*Myerson Lab, Undergraduate Research Opportunity Program (UROP), Lab Assistant*

August 2013 – Present

- Work in Chemical Engineering Lab, focused on Pharmaceuticals; specifically a tabletop drug delivery device
- Make solubility measurements and calibrations to find optimal APIs and solvents through use of Crystal 16
- Perform Data Analysis of results from Crystal 16 in Crystal Clear software
- Conduct analysis of solutions and their components through the use of HPLC

### University of Colorado at Boulder

Boulder, CO

*Perkins Lab. Research Experience for Undergraduates (REU), Lab Assistant*

May 2013 – August 2013

- Worked every weekday over the summer preparing for and completing experiments and analyzing data
- Prepared functionalized glass surfaces through use of chemicals and adherence of protein
- Conducted Atomic Force Microscopy Experiments and Data Analysis in IGOR

## Work Experience

### Bill Wahl's Microcreamery

Pittsford, NY

*Cashier and Sales Associate*

May 2012 – August 2012

- Responsible for storing, maintaining and controlling, and being knowledgeable of inventory
- Demonstrated work ethic, responsibility, and great customer service

## Activities and Leadership

MIT SOCIETY OF WOMEN ENGINEERS | **Member** | August 2012 – Present

MIT SIGMA KAPPA- Theta Lambda Chapter | **Dual Chair Holder** | August 2013 – Present

MIT MEDLINKS | **Selected Member** | October 2013 – Present

MIT TRACK TEAM | **Member** | August 2012 – Present

UPOP | **Selected Participant** | October 2013 – Present

## Skills

**COMPUTER** | Microsoft Office Suite (Excel, PowerPoint, Publisher, Word), Asylum Research Software, CrystalClear  
**PROGRAMMING** | MATLAB, IGOR

**LAB SKILLS** | Atomic Force Microscopy, Centrifuge, Crystal 16, HPLC, TGA, Titration, Micro-pipetting, Handling Chemicals, Fine Tweezer Work, Teamwork

**LANGUAGE** | English (Fluent), Spanish (Proficient)