

# ROBERT MOSHER

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## SUMMARY

A highly motivated, challenge-seeking engineering student with a strong academic record and demonstrated technical, leadership, and communication skills. Significant experience in problem-solving both engineering and non-engineering disciplines. Seeking internship/co-op positions in engineering to broaden my exposure and increase technical knowledge and work experience with hopes of building a career in computer science.

## EDUCATION

**Cornell University** College of Engineering, Ithaca, NY *08/2021-Present*

- Pursuing B.S. in Computer Science, Anticipated Graduation May 2025
- GPA 3.86/4.0
- Relevant Coursework: Intro to Programming in Python, Object-Oriented Programming & Data Structures (Java), Discrete Structures, Calculus III, Linear Algebra, Intro to Materials Science

**Weston High School**, Weston, MA *08/2016-06/2020*

- GPA 3.77/4.0
- Relevant Coursework: AP Calculus BC, AP Chemistry, AP Physics C, AP Computer Science A, AP Biology, AP Statistics
- ACT Composite 36/36, SAT II Chemistry: 800/800, Math II 800/800, US History: 780/800

## EXPERIENCE AND PROJECTS

**Cornell Engineers for a Sustainable World**, Biofuels sub-team *10/2021-Present*

- Supervised research into viable feedstock candidates for Continuous Biodiesel Production Project
- Collaborated to design Process Flow Diagram (PFD) for Biodiesel Transesterification

**Small-Scale Off-Grid Energy Generation Project**, *08/2021-Present*

- Led team of 5 in designing solar-powered battery banks for underdeveloped regions without reliable electricity infrastructure.
- Analyzed costs, researched new battery and solar panel technologies, and organized a final presentation

**Weston Public Schools Technology Internship**, Hardware Specialist *08/2020-07/2021*

- Organized and prepared over 2,000 devices for students and faculty for use in online learning
- Diagnosed and repaired device hardware failures in desktops, laptops, and tablets

## LEADERSHIP AND COMMUNITY SERVICE

**Rotary Interact Club** President *08/2016-06/2020*

- Raised over \$3K for Middlesex Human Services Agency shelters and soup kitchens
- Led team of 5 to plan, organize and execute 5K fun run fundraiser

**Weston High School Cross Country and Track**, Captain *08/2018-07/2020*

- 3 season elected captain for state championship team
- Qualified for Sectional and All-State Competition in 5k and 2 mile runs

## SKILLS

### Technical

- Experience in Java, Python, Swift, C, HTML, CSS, and the Microsoft Office Suite
- Familiarity with Mac OS X, Windows, and Ubuntu/Debian Linux

### Personal

- Strong & Inquisitive Work Ethic, Meticulous Attention to Detail, Quick & Artistic Thinking, Creative Solutions, Exemplary Verbal & Written Communication, and Solid Presentation Skills
- Self-Motivation, Enthusiastic, Flexible, Relationship Building, Attentive Listening

## INTERESTS

- Running, Cycling, Photography, Rock Climbing, Trombone, Skiing, and Backpacking