

# ALEXANDER ROBBINS

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Highly motivated and academically accelerated engineering student with strong leadership and people skills. Able to work independently and successfully collaborate with a team.

## EDUCATION

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**Tufts University School of Engineering**, Bachelor of Science in Mechanical Engineering (BSME), Minors in Applied Mathematics and Spanish, GPA 3.60

**Projects** - Wall-Mounted Bottle Opener (Manufacturing Processes, Design Standards), Varsity Basketball Stat Tracker (CSS/HTML/JS, Data Analytics), External Microwave Controller and Proofing Box (Digital Electronics, Python), and Medford Community Greenhouse Construction (Part Machining, Statics)

**Relevant Coursework** - Materials and Manufacturing, Thermal Fluid Systems, Differential Equations, Multivariable Calculus, Linear Algebra, and C++/Python Problem Solving

**Wheaton High School PLTW Magnet Engineering Program**, GPA 3.96

Rochester Institute of Technology coursework in project-based engineering. Experience in SolidWorks, Revit, OnShape, and MultiSim. Capstone product: redesigned car sun visor

## PROFESSIONAL EXPERIENCE

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**U.S. Department of Health and Human Services (HHS), Health Resources and Service Administration (HRSA), HRSA Leadership Institute - Rockville, MD**

**Pathways Intern (GS-1), June 2023 - August 2024**

- Assisted with content delivery and provided administrative support for professional development courses for the agency's 3,000-person workforce
- Facilitated focus groups, conducted data analyses, and evaluated contracts to recommend changes for HRSA Organizational Development, Mentoring, Project Officer, Leadership Development, and Supervisor training programs
- Managed agency-wide Learning Management System (LMS) and organizational development tracker

**Difference Makers, Stepping Stone Tutoring, Serotonin Says, Building-U - Silver Spring, MD**

**Lead Web Developer, November 2017 - May 2022**

- Responsible for website development, maintenance, blogs, and special events
- Conducted external outreach to inform and support organizational growth
- Frontend using Laravel, HTML/CSS, JS, Python, and React frames

## EXTRACURRICULAR ACTIVITIES

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- Engineers Without Borders - Tufts University
- American Society of Mechanical Engineers - Tufts University

- Career Fellow and Student Assistant - Tufts University Career Center
- Leadership Development Internship - PeaceJam
- Scholar and Tutor - National Honor Society
- Natural Sciences Department Lab Assistant - Wheaton High School
- National Science Bowl Team A Captain - Wheaton High School

## AWARDS

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- Project Lead the Way Medal of Excellence - Rochester Institute of Technology School of Engineering 2024
- Maryland Seal of Spanish Biliteracy - Maryland Board of Education 2023
- Letter of Commendation - National Merit Scholarship Program 2023
- BROAD Award Recipient (Twice) - HRSA Learning Institute 2023
- Certificate of Meritorious Service - Maryland Service Department and Montgomery County Public Schools 2024
- Dean's List and Academic Excellence in Spanish - Montgomery College 2023/2024

References Available Upon Request