

Alexandria K. Miskey

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EDUCATION

Case Western Reserve University (CWRU) (Class of 2025)

BSE Biomedical Engineering Candidate, Applicable Courses: Physiology-Biophysics I&II, Chemistry of Materials, Introduction to Engineering and Programming, Physics Mechanics, Differential Equations. Cumulative GPA 3.631.

Pittsford Mendon High School, Pittsford, NY (Class of 2021)

Honor Roll (Consecutive Semesters 2014-2021), National Honors Society (2021).

SKILLS/ACADEMIC ACHIEVEMENTS

CSWA Mechanical Design Certified

Proficient in Microsoft

Proficient in Matlab

PTSA Leadership Award 2021

WORK EXPERIENCE

Student Researcher, Advanced Manufacturing and Mechanical Reliability Center (AMMRC), Case Western, Cleveland OH (Summer 2023-Present)

Research in Dr. Gbur's lab with Materials Science and Biomedical Engineering of Materials.

Customer Service Associate, Game Day Operations - Case Western Athletics, Cleveland, OH (Fall 2021-present)

Assists with athletic facilities, patron services, and event organization.

Counselor - Camp Arrowhead, YMCA, Pittsford, NY (Summers 2021 and 2022)

Worked in childcare for ages 4-6, including scheduling, creative programming, and direct supervision of campers.

VOLUNTEER SERVICES

Intern - University of Rochester Medical Center Prosthetic and Orthotics Clinic (Summer 2019)

Assisted with patient care, shadowed appointments, and organized medical equipment. Witnessed the fitting and fabrication processes for prosthetics, cranial remodeling helmets, and orthotics.

Volunteer - Volunteer Internship Program, YMCA, Pittsford, NY (Summers 2015-2019)

Assisted lead counselor with childcare ages 2-5 and running camp program.

EXTRACURRICULAR ACTIVITIES

Softball, Case Western Varsity Team (Fall 2021-present)

University Athletic Association (UAA) Pitcher of the Year (2022 and 2023), CSC Academic All-District Team (2023), National Fastpitch Coaches Association (NFCA) All-Region First Team (2023), Second Team (2022), and named a finalist for Schutt Sports/NFCA Division III National Freshman of the Year (2022 season).

Spartanthon, CWRU Student Organization (Fall 2021-present)

Rainbow Relations Executive (Spring 2022-Present) in charge of communication with the hospital and families. Organized planning of the Dance Marathon and fundraising for Rainbow Babies Children's Hospital.

The Hidden Opponent, CWRU Student Organization (Fall 2022-present)

Helped build a community to support student-athlete mental health advocacy through the non-profit at CWRU.

Theta Tau, Professional Engineering Fraternity (Spring 2023-present)