

Cassandra (Cassina) Olson

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Personal Statement

I am a Mechanical Engineer interested in Materials Science Engineering. My undergraduate capstone is on Biomedical Devices and Biocompatible Materials. My interests are in semiconductors, thermal sciences, and nanomaterials. I practice foreign languages as a hobby and enjoy learning different coding languages.

Experience

NAU Robotics Club | Northern Arizona University Club President | 01/2024 - Present

I am one of the re-founders and president of Robotics Club. As Club President, I am responsible for overseeing projects, budgeting, competitions, and potential research projects for students with a Capstone project that includes different forms of robotics.

Biomedical Engineering Lab | Flagstaff, AZ Volunteer Work | 08/2023 - Present

In my spare time, I assist students with capstone and research projects in the Biomedical Engineering Lab. I primarily assist in material testing and material science research.

NAU Grader | Flagstaff, AZ Mechanics of Materials Grader | 03/2024 - 05/2024

I am responsible for supporting students academically to ensure as many people as possible can successfully learn and apply the course material. I also grade homework, quizzes, and exams for this course.

Americorps NAU | Flagstaff, AZ Supplemental Instruction (SI) Leader | 07/2023 - 05/2024

The first semester, I facilitated learning and understanding for the electrical engineering introductory course (EE188). The second semester, I supported the mechanics of materials-dynamics intermediate course (CENE253). As an SI leader, I was and am responsible for helping students academically, socially, and emotionally for them to succeed in these difficult classes. I work to teach students how to study effectively and how to balance work and life.

NAU Grader | Flagstaff, AZ Materials Science Grader | 08/2023 - 12/2023

I was responsible for grading the homework, quizzes, and exams for students taking the Materials Science class. I held office hours for students with questions or concerns about their homework, grades, etc.

Education

Northern Arizona University | Flagstaff, AZ Japanese - Minor | 12/2024

Northern Arizona University | Flagstaff, AZ Mechanical Engineering | 12/2024

Skills

CAD, Japanese, SolidWorks, Materials Science, Robotics, Budgeting, Recruitment, Fundraising, Microsoft excel, Microsoft word, Rocksim, Electrical engineering

Languages

English, Japanese

Awards

Japanese National Honors Society, Merit Golden Scholars Award, NAU Honors College Acceptance Award

