

Alec Markosian

Student/Supplemental Instruction Leader

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Education

Bachelor of Science: Mechanical Engineering, *Northern Arizona University* 08/2021 – present
Dean's List Fall 2021, Spring 2022, Spring 2023 Flagstaff, Arizona
GPA 3.70

General Education, 08/2018 – 07/2021
Maricopa Community College - Chandler-Gilbert Community College Chandler, Arizona

Skills

CAD Software (Solidworks), MATLAB, Java, Microsoft
Excel, 3D Printing, Vertical Mill, Lathe

Projects

Scanning Tunneling Microscope, *Testing Engineer* 01/2023 – 12/2023

- Multidisciplinary project between Mechanical and Electrical Engineers
- Performed Vibration Analysis to Limit Resonant Frequency to 1 Hz
- Designed Structure to Limit Vibrations and hold Electrical Components

Novel Design for Wheelchair Propulsion 08/2022 – 12/2022

- Collaborated with a team to create a design for wheelchair propulsion
- Performed Engineering and Cost Analyses
- Created CAD Model for Wheelchair

Robot Design Project 03/2021 – 05/2021

- Created a robot with a team to pick up objects and move them to different locations.
- Utilized Arduino and 3D printing to complete design

Professional Experience

Supplemental Instruction Leader, *Northern Arizona University* 08/2022 – present
Flagstaff, Arizona

- Facilitated three study sessions for two Mechanics of Materials classes per week.
- Provided students with academic instruction for class content and study strategies.

Front End Associate, *Walmart* 06/2018 – 08/2021
San Tan Valley, Arizona

- Employee of the Month in September 2018
- Gathered shopping baskets and carts and relocated to designated areas.
- Operated cash register for cash, check and credit card transactions with excellent accuracy levels.

Organizations

Energy Club, *Member* 08/2022 – present
Flagstaff, Arizona

- Attend weekly meeting to discuss progress on Collegiate Wind Competition.
- Help organize events put on by the club throughout the community.