




Ethan Anzia

Masters Student in Aeronautics and Astronautics, admitted Autumn 2023

 Resume available Online

Bio

BIO

First year Masters student studying Aeronautics and Astronautics at Stanford University with experience in many programs such as Python, MATLAB, EES, NX, Abaqus, SolidWorks Simulation, Arduino, Microsoft Office, LabView, and Mathcad. Possesses a CSWP (Certified SolidWorks Professional) License and proficient in all mechanical engineering subjects including Thermodynamics, Solid Mechanics, Fluid Mechanics, Dynamics, Finite Element Analysis, Heat Transfer, Aerodynamics, and Orbital Mechanics. I got my Bachelor of Science in Mechanical Engineering from the Colorado School of Mines in Golden, CO. I have prior work experience as a part of the Metal Structures/Seals Design & Analysis group within Propulsion Systems at Northrop Grumman in Promontory, Utah. I completed joint volume calculations for thermal analysis, generated manufacturing review dispositions and modeled forward skirt components on multiple programs such as SLS for the Artemis program. I also have been a peer tutor in the subjects of Thermodynamics, Statics, Solid Mechanics, Fluid Mechanics, Dynamics, Finite Element Analysis, Feedback Systems, and Machine Design. I am currently seeking an internship or co-op experience in an Aerospace Engineering position.

HONORS AND AWARDS

- Summa Cum Laude, Colorado School of Mines (May 2023)
- Mechanical Engineering E-Days Engineer, Colorado School of Mines (May 2023)
- Best Pledge, Mines Blue Key Honor Society (May 2022)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Vice President, Mines Blue Key Honor Society (2021 - 2023)
- Member, Tau Beta Pi Engineering Honor Society (2021 - present)
- Member, American Institute of Aeronautics and Astronautics (2020 - present)
- Member, American Society of Mechanical Engineers (2020 - present)

EDUCATION AND CERTIFICATIONS

- B.S., Colorado School of Mines , Mechanical Engineering (2023)
- Minor, Colorado School of Mines , Aerospace Engineering (2023)
- Mechanical Design Professional, SOLIDWORKS , Certified SolidWorks Professional, CSWP (2021)

LINKS

- LinkedIn: <http://www.linkedin.com/in/ethananzia>

Professional

WORK EXPERIENCE

- Structural Analysis Engineering Intern - Northrop Grumman Space Systems (June 2022 - September 2022)
- Grader for Thermodynamics Course - Colorado School of Mines (January 2023 - May 2023)
- Peer Tutor - Mines Center for Academic Services and Advising (March 2020 - May 2023)
- Head Lifeguard - Perfect Pools Colorado (May 2018 - August 2021)

Publications

PRESENTATIONS

- Inflatable Habitat Primary Structure Mockup - Mines Capstone Design, Sierra Space (August 2022 - May 2023)