

Tesla Ventsam

Recent mechanical engineering graduate with strong focus on fluid mechanics and hands-on research in plasma physics. Skilled in analyzing complex fluid systems and applying physics principles to real-world challenges.

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EXPERIENCE

Northern Arizona University, Flagstaff, Arizona — *Global Engagement and Language Learning Center (GELL) Assistant*

October 2021 - Present

Facilitate students finding resources, coordinate with tutors. Coordinate special events, such as culture nights hosted by the language department

Northern Arizona University, Flagstaff, Arizona — *Utilities Services Intern*

May 2023 - August 2023

Collect data related to utility usage and system performance on NAU campus. Conduct routine checks, repairs, and troubleshooting of utility infrastructure. Design new method of measuring heat usage throughout campus through heat transfer conservation technologies

Ruhr Universität Bochum, Bochum, Germany — *Plasma Physics Lab Assistant*

February 2024 - May 2024

Design and conduct methods of reducing iron oxides using plasma-based techniques. Record observations and results to improve the experimental process. Work closely with professor to refine research, analyze results, then present findings to the department in German

EDUCATION

Northern Arizona University, Flagstaff, Arizona — *B.S. Mechanical Engineering*

August 2020 - May 2025

Northern Arizona University, Technische Universität Dortmund, Flagstaff, Arizona and Dortmund, Germany — *B.A. German*

August 2020 - May 2025

PROJECTS

SAE Aero Design, Van Nuys, California — *Project Manager*

August 2024 - May 2025

Participated in the SAE Aero Design competition as part of a multidisciplinary team. Designed, built, and tested a remote-controlled aircraft to optimize payload capacity and flight performance. Developed project management and teamwork skills through coordination of design phases and deadlines.

SKILLS

SolidWorks

MATLAB

Ansys Fluent

Team Management

Time Management

Bilingual speaking and writing in German

LANGUAGES

English (Native)

German (Fluent)