

MARCELLA NAMOE

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SUMMARY

Sophomore aerospace engineering student with internship experience in air traffic control and hands-on project work in design software.

EDUCATION

B.S.E., Aerospace Engineering (Aeronautics)

Arizona State University, Tempe, AZ

Relevant Coursework: Hardware Design Languages, Programmable Logic

Graduating August 2027

3.63/4.0 GPA

TECHNICAL SKILLS

Design and Modeling Tools: SOLIDWORKS, MATLAB, Tinker CAD

Software: Microsoft Office

PROFESSIONAL EXPERIENCE

Air Traffic Control Intern

Uganda Civil Aviation Authority (UCAA)

Jan 2023 – Feb 2023

- Explored new Information Landing Systems (ILS) technologies and approaches to streamline on-field data collection.
- Streamlined office processes in Air Traffic Services (ATS) for improved efficiency and time management.
- Worked with the Research and Development department to develop ideas for student outreach programs.

ACADEMIC PROJECTS

Mechanical Subsystem Team Member

ASU Ascend/Sun Devil Satellite Laboratory (SDSL)

Fall 2024 – Spring 2025

- Part of the ASCEND mechanical subsystem to design model the body housing of CubeSat (SOLIDWORKS):
- Designed and modeled CubeSat body housing prototypes in SolidWorks, optimizing access to internal components.
- Gained experience with carbon fiber for structural integration in the CubeSat project.

Combat Robot Design Team Member

ASU Society of Women Engineers (SWE)/SDRC

Fall 2024 – Spring 2025

- Collaborating on the design and construction of a horizontal spinner combat robot for an on-campus competition.
- Prototyped designs using SolidWorks to test mechanical functionalities.

GCSP Scholar

Global Challenges Scholars' Program (GCSP)

Aug 2024 – Aug 2027

- Developing solutions to tackle global challenges, with a focus on reducing e-waste through biological engineering and advanced technologies.

WORK EXPERIENCE

Global Launch Activities Assistant

Arizona State University, Tempe, AZ (10-20 hours/week)

May 2024 – Present

- Provide support and guidance to international students, addressing concerns and helping them acclimate to the U.S.
- Handle administrative tasks such as attendance tracking and communication between students and administration.

ACTIVITIES

Intern

ASU Black Women in STEM (BWSA)

Aug 2024 – Present

- Supporting the other executive board members with official club duties