

JACK DYSON SISCO

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Education

The Pennsylvania State University

University Park, PA

B.S. in Mechanical Engineering, expected May 2025

Cumulative GPA: 3.54

IES Tokyo

Tokyo, Japan

Language and Culture Study Abroad

May 2023 – July 2023

- Completed rigorous six-week Japanese language course and practiced language skills in applied conversation.
 - Enhanced my global mindset and fell in love with Japan's unique culture, while developing a passion for linguistics.
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Work Experience

PAE

Portland, Oregon

Mechanical Systems Intern

May 2024 – August 2024

- Used Revit to model Existing HVAC systems for the OHSU campus and perform various load calculations.
 - Created multiple Excel spreadsheets to interpret projected weather data, helping designers adjust for climate change.
 - Learned to balance and manage my time to complete tasks in an efficient manner.
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Leadership

American Society of Mechanical Engineers (ASME) at Penn State University

University Park, PA

Technical Director

August 2024 – Present

- Lead and planned large club general body meetings and activities for current and prospective club members.
- Continued running various projects in the ASME Design Team, such as managing the ASME HPV capstone.
- Co-lead ASME as a whole and guided the club in positive directions, with the goal of promoting involvement and learning.

ASME Design Team at Penn State University

University Park, PA

Design Team Officer

August 2023 – May 2024

- Lead development of the steering and suspension systems of an open-source RC car.
- Lead the design and development of an assistive technology project for those with sight disabilities.
- Responsible for the organization of effective team meetings.

Global Engineering Fellows

University Park, PA

Fellow

August 2023 – May 2024

- Met with engineering students to advise and answer questions about studying abroad.
- Publicly presented my knowledge to first-year engineering student seminars to encourage global experiences.

Japanese Student Association

University Park, PA

Graphics/Media Executive Chair

April 2024 – Present

- Attend meetings and help to run the club and its various events.
 - Create Graphics and media for promotion, members, or events.
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Skills

- SolidWorks
- 3D Printing
- Revit
- Microsoft Office
- Fusion 360
- CATIA V5

