

Jack Dyson Sisco

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EDUCATION

B.S. in Mechanical Engineering

The Pennsylvania State University · State College, PA · May 2025 · 3.56

Language and Culture Summer Abroad

IES Tokyo · Tokyo, Japan · May 2023 – July 2023

- Completed an intensive six-week Japanese language course, actively engaging in real-world language practice.
 - Cultivated a global perspective by immersing myself in Japan's rich culture, sparking a deep passion for linguistics and cross-cultural communication.
 - Enhanced teamwork and communication skills, fostering the ability to collaborate effectively in diverse, multicultural teams.
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WORK EXPERIENCE

Mechanical Systems Intern

PAE May 2024 – August 2024, Portland, OR

- Utilized Revit to create detailed models of existing HVAC systems for the OHSU campus, conducting load calculations to ensure system efficiency and compliance with project specifications.
 - Developed Excel spreadsheets to analyze and visualize projected weather data, providing insights for designers in adapting HVAC systems for future climate change scenarios.
 - Enhanced time management skills by effectively balancing multiple tasks and project deadlines, ensuring timely and high-quality completion of assignments in a fast-paced engineering environment.
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LEADERSHIP

Technical Director/Officer

University Park, PA · American Society of Mechanical Engineers (ASME) at Penn State University · August 2024 – Present

- Co-lead ASME, working to make the club an inclusive space that promotes involvement and learning.
- Lead and plan large bi-weekly general body meetings for over 100 current and prospective club members.
- Run various projects in the ASME Design Team, including being project manager for the ASME e-HPV capstone.
- Planned, designed and executed over 20 bi-weekly design challenges to engage club members.

Design Team Officer

University Park, PA · ASME Design Team at Penn State University · August 2023 – May 2024

- Led an engineering team to develop the steering and suspension systems of an open-source remote control car.
- Project manager for the development of an assistive technology project to aid those with sight disabilities.
- Responsible for the organization of effective twice weekly meetings.

Engineering Fellow

University Park, PA · Global Engineering Fellows · August 2023 – May 2024

- Publicly presented knowledge to hundreds of prospective first-year engineering students to encourage global experiences.
- Held personal weekly 1-hour long help sessions for students to advise and answer questions about studying abroad.
- Manned booths and help desks at various study abroad events to share knowledge and answer questions.

Graphics/Media Executive Chair

University Park, PA · Japanese Student Association · April 2024 – Present

- Planning large scale Spring festival expected to be trafficked by hundreds of Penn State students.
 - Perform corporate outreach to secure club funds with the goal of increasing member engagement.
 - Create Graphics and media for club promotion, member apparel, and events.
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SKILLS

SolidWorks, 3D Printing, Fusion 360, CATIA V5, Revit, Bluebeam, Microsoft Office, Leadership, Finite Element Analysis