

Jason Li

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EDUCATION

University of Florida

May 2029

Bachelor of Science in Mechanical Engineering

GPA: 3.99

Relevant Coursework: Computer-Aided Graphics and Design, Python Programming for Engineers, Engineering Design & Society

SKILLS

Certifications: Certified SOLIDWORKS Associate

Software: Onshape, SOLIDWORKS, Fusion 360, Prusa Slicer, Arduino IDE, Procreate, Ultimaker Cura

Hardware: ELEGOO Arduino Circuits, Prusa 3D Printers

Languages: Java, Python, HTML/CSS

EXPERIENCE

Society of Asian Scientists and Engineers (SASE)

Gainesville, FL

Multimedia Chair

Jun. 2026 – Present

- Create visual materials for **21** departments, working closely with them whenever updates or revisions are needed
- Plan and distribute merchandise for **1000+** members, selecting affordable apparel options and production methods

SASE Engineering Design Team Member

Jan. 2026 – Apr. 2026

- 3D printed **3** parts for a LiDAR mount using Fusion and Cura, minimizing blind spots for the LiDAR sensor without coming into contact with other parts of the delivery robot
- Created an assembly of **14** designed parts for a robotic gripping arm, using advanced joint relationships to test for range of motion as well as interference with other parts
- Maintained part and assembly documentation in Google Docs to track design progress across all iterations
- Constructed a chassis and suspension system to gauge real-world viability of designs

Merchandise Committee Intern

Jan. 2026 – Apr. 2026

- Collaborated with an **8**-person team to develop and refine thematic merchandise designs based on technical and financial constraints, as well as branding guidelines
- Visualized final product concepts by producing **2** digital merchandise mockups in Canva for committee approval
- Designed an Instagram announcement that garnered **125** likes, a **19%** increase in engagement compared to the previous semester's merchandise launch

PROJECTS

Hug-A-Cup | SOLIDWORKS, Autodesk Fusion

Feb. 2026

- Collaborated across disciplines in a team of 3 to rapidly design an arm-stabilizing prosthetic in 12 hours
- Designed a secure arm strap and gimbal mechanism to enable stable arm motion
- Achieved **6th** place in the Generational Relief in Prosthetics Spring Designathon among 13 competing teams

Ultrasonic Blindstick | Onshape

Oct. 2025 – Dec. 2025

- Collaborated in a team of 4 to develop a walking-cane attachment to detect proximity to environmental obstacles of up to 1 foot away using an ELEGOO ultrasound detector
- Prototyped the exterior of the device to house electronics and securely clamp onto any size consumer walking cane
- Accelerated the development cycle by using Onshape for CAD modeling, PrusaSlicer for 3D printing, and iterative testing to ensure compact housing of electronics