

Selene Hsu

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EDUCATION

University of Florida

Expected Graduation May 2026

Bachelor of Science in Mechanical Engineering and Minor in Biomechanics

- **GPA:** 3.38
- **Relevant Coursework:** Applied Human Anatomy with Lab, Statics, Materials, Intro to Electrical Engineering

SKILLS & CERTIFICATIONS

Skills: SOLIDWORKS, 3D Slicer, MATLAB, Arduino, Java, Python, Microsoft Office

Certifications: Biotechnician Assistant Credentials

Languages: English, Chinese

PROFESSIONAL EXPERIENCE

Biomedical Engineering Intern

D.A.S.H. Orlando | Orlando, FL

May 2022 - Aug. 2022

- Created precise 3D models from CT and MRI scans, enhancing preoperative planning and visualization for surgical procedures.
- Designed and developed surgical guides tailored to specific medical cases, streamlining surgical procedures and improving patient outcomes.
- Developed a custom software program to automate the design process for surgical guides, significantly increasing efficiency and accuracy in guide production.

LEADERSHIP & INVOLVEMENT

GRiP: Generational Relief in Prosthetics

Oct. 2023 - Present

- Designing a prosthetic device, enabling individuals with limited arm and wrist mobility to actively engage in golf.
- Collaborated with a multidisciplinary team to develop the device, utilizing 3D modeling and printing for iterative prototyping and refinement.

SASE: Southeast Regional Conference Programming Committee

Oct. 2023 - Present

- Planning a regional professional development conference, actively involved in creating the comprehensive event schedule, organizing workshops, activities, and social events.
- Organizing the career fair, facilitating connections between participants and potential employers.

First-Year Leadership Program: Director

May 2023 - Present

- Implemented programs & initiatives to cultivate leadership skills among first-year students, fostering personal and professional growth.
- Facilitated a welcoming & inclusive environment for first-year students, actively promoting & organizing events & programs to encourage meaningful connections.

Dream Team Engineering

Sept. 2022 - Present

- Used CT scans to create detailed anatomical models, improving the learning experience for medical residents at UF Health Shands.
- Created 3D models that visually explained heart conditions, making it easier for patients to understand their health.
- Developed interactive models to help medical residents practice surgical procedures and enhance their skills.
- Working on developing an advanced lung balloon model featuring integrated pressure sensors to elevate the educational experience for students.

Chinese American Student Association: Director of Multimedia

Sept. 2022 - Present

- Produced engaging multimedia content to showcase club events and initiatives
- Promoted events and opportunities through social media, expanding the club's reach and influence in the community