

Skyler Fellenz

(352) 477-1338 | skyfellenz@gmail.com | www.linkedin.com/in/skyfellenz | skyfellenz.com

EDUCATION

University of Florida, Herbert Wertheim College of Engineering
Bachelor of Science in Mechanical Engineering

May 2028
Gainesville, FL

Technical University of Denmark (DTU)

Study Abroad

Spring 2026
Copenhagen, Denmark

- GPA: **3.65** | Dean's List | Bright Futures Academic Scholarship (100% tuition)
- **Certified SolidWorks Associate (CSWA)**
- **Relevant Coursework:** Statics, Physics I & II, Calculus I-III, Computer-Aided Graphics & Design, Materials Science

TECHNICAL SKILLS

- **Design:** Mechanical design, CAD modeling, build-to-print drawings, GD&T, tolerancing, design for manufacturability, system integration
- **Technical:** SOLIDWORKS (CSWA), Autodesk Fusion, MATLAB, Microsoft Office
- **Languages:** German (B2 – Limited Working Proficiency)

ENGINEERING AND PROJECT EXPERIENCE

- **Wheelchair Umbrella Attachment – GRIP Design Team** **Aug 2025 – Present**
 - Collaborate with a 12-member team to design an assistive umbrella attachment enabling wheelchair users to operate umbrellas independently
 - Perform mechanical design and ergonomic integration using SolidWorks, with consideration of structural support, interfaces, and manufacturability
- **Non-Planar Polar Printer – IAM3D / ASME** **Aug 2025 – Present**
 - Design z-axis motor mount for a non-planar polar printer, enhancing structural precision and system mobility
 - Coordinate with mechanical, electrical, and software subteams to support system integration, interface alignment, and structurally sound, manufacturable designs
- **SolidWorks Course Projects** **Summer 2025**
 - Modeled 60+ parts, assemblies, and build-to-print drawings in SolidWorks (~15 hrs/week) using GD&T and motion analysis for multi-component systems
 - Developed proficiency in GD&T and mechanical design principles for manufacturable components
 - Prepared drawings and models intended for controlled release, configuration management, and repeatable manufacturing

WORK EXPERIENCE

Stadium People at the O'Connell Center
Event Staff

August 2023 - Present
Gainesville, FL

- Support logistics and crowd flow for university graduations and events of 10,000+ attendees, ensuring safety and smooth operations

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

- **Sigma Kappa Sorority** **August 2025 – Present**
 - Support chapter events with 298 members and organize philanthropy events with 200+ participants
- **Society of Women Engineers** **January 2025 - Present**
 - Participate in professional development and outreach programs promoting women in STEM
- **German Club** **August 2024 - Present**
 - Engaged in cultural exchanges to improve German fluency and cross-cultural communication