

# Skyler Fellenz

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## 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

- Supported 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