

# MELODY SIVRI

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## EDUCATION

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<b>University of Central Florida</b>   B.S. Mechanical Engineering	Spring 2023
<b>Valencia College</b>   A.S. Computer Aided Drafting and Design	Fall 2021
<b>Valencia College</b>   A.A. General Education	Fall 2018

## SKILLS & CERTIFICATIONS

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In progress: Solidworks CSWA & CSWP | AutoCAD | Revit | Fusion 360 | Machining | Bilingual (Spanish)  
ASME/ANSI Compliance | OSHA Forklift Operator Certified | InDesign | Acrobat Pro | ZBrush | Unreal Engine

## EXPERIENCE

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**Low Voltage Technical Design Intern** November 2021 – Current  
EXP | Maitland, FL

- Responsible for themed entertainment and federal project revisions and red-line submissions under NDA and confidentiality agreements.
- Revise and print Revit submissions of 150+ sheets that outline conduit and equipment placement on structures of varying levels, technical details, and schedules, for P.E. to sign and seal.
- Collaborate with MEP departments and architectural firms using Bluebeam Revu to red-line and coordinate equipment.
- Develop numerous one-line diagrams and technical details for equipment mounting and connectivity.
- Organize project 2-D linked files and maintained synced excel schedules via Revit add-ins on all projects.

**Mechanical Design Engineer Intern** June 2021 – September 2021  
Animax Designs | Nashville, TN

- Designed over 15 3-D printed parts using Solidworks, for water mitigation on multiple dynamic and static IP figures.
- Drafted drawing packages of multiple figures with over 200+ part and assembly drawings for client revision and maintenance documentation.
- Collaborated with the design, animation, and assembly team, to machine parts from scraps and materials to create mock-up puppets that would be tested and presented to clients, adhering to their safety standards and ergonomic specifications.
- Verified measurements of figure shells created in Maya and exported to Solidworks as STL documents.
- Assisted with fabrication to place and sew fur on three full sized costume heads for major themed entertainment clients.

**CADD Technician** March 2021 – June 2021  
Stephenson, Wilcox, and Associates, Inc. | Palm Coast, FL

- Drafted over 150 Boundary, Topography, Site-Plan, Drainage Plans, Formboard, Foundation, and Final surveys to submit to engineers and City of Palm Coast Surveyors.
- Successfully graded 35+ final surveys for engineer final approval, which then led to the City of Palm Coast approving construction for new home builds.

## PROJECTS

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**UCF Fall 2021 Land Design Competition** September 2021

- Responsible for interactive elements and technologies throughout the land, designing handheld and kiosk components with various visual and physical effects.
- Led team to develop site layout and landscaping accommodating ride placement and land interactive integration.

**UCSD Haunted House Competition** May 2021

- Structural designer assigned to create a haunted house façade with integrated technical and atmospheric elements.

**UF Swamp Thrills Competition – 2<sup>nd</sup> Place** April 2021

- Engineer responsible for schematics of rigid bodies and overall assemblies for a space-themed flat ride.
- Developed schematics and animation for judges to revise.

## LEADERSHIP & INVOLVEMENT

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**Themed Entertainment Association** – DEA&I Committee Member | NextGen Member | HUBS Event Committee  
**Big Break Foundation** – 2021 Edutainment Pass Recipient  
**AIMS International** – Young Professional Spanish Liaison: Translating documents, meetings, and lectures  
**ASTM F24** | **Society of Hispanic Professional Engineers** | **Society of Women in Engineering** – Student Member