

Lenworth Thomas (TJ)

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Education

Bachelor of Science in Mechanical Engineering

May 2021

University of Florida - Gainesville, FL

Cumulative GPA: 3.6/4.0

Technical Skills

Computer/Technical: Solidworks, Onshape, 3D Printing, Drafting, Google Sketchup, Microsoft Office Suite

Certification: Solidworks – Certified Associate in Mechanical Design, Autodesk Inventor – User Certified

Work Experience

Intern, Deltamaker LLC

June 2016 – June 2017

Orlando, FL

- Designed and prototyped new parts for 3D printers using CAD and 3D printing
- Assembled and tested 3D printers
- Represented company at local conferences to promote business

Leadership Experience

Team Lead, R3D Prosthetics

September 2016 – June 2017

Orlando, FL

- Led team of five to develop 3D printed prosthetic arm accompanied with a therapeutic game simulation
- 3D printed and assembled arm and electronic components to create a prototype of the arm
- Entered project into international Conrad Awards Spirit of Innovation competition and became 2017 Finalists
- Wrote article for Johns Hopkins University *Imagine* article about experience

Project Manager, ACE Engineering Mentorship Team

October 2013 – May 2017

Orlando, FL

- Led team of four to plan and design a theoretical building/campus (different every year)
- Presented project in front of 200 people including industry leading engineers
- Placed in top three every year participated, 1st place for last two years

Team Lead, Lockheed Martin Robotics Competition

February 2014 – February 2016

Orlando, FL

- Led team of six to design robot to compete in Lockheed Martin Sponsored competition
- Created fully 3D printed robot using CAD and knowledge of 3D printing

Extracurriculars

Mechanical Systems Member, Gatorloop – SpaceX Hyperloop Pod Competition

December 2017 – Present

Gainesville, FL

- Working with team of UF students to build a hyperloop pod for the SpaceX Hyperloop Pod Competition
- Designed and rendered essential components for propulsion system

Team Member, Battlebots

September 2017 – Present

Gainesville, FL

- Working with a team to design and manufacture a robot that destroys other robots

Technical Development Workshop Member, National Society of Black Engineers

September 2017 – Present

Gainesville, FL

- Collaborating with Chapter Development Chair to create and organize technical development workshops for the chapter

Awards and Affiliations

1st Place ACE Engineering Project

May 2017

Conrad Awards Spirit of Innovation Finalist

April 2017

Hamilton Scholars College Mentorship Program

April 2016 to Present