

JAKOB CAPE

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PROFESSIONAL SUMMARY

I have experience with Solidworks, MATLAB and LabVIEW. Additionally, I have completed most relevant coursework for a BSME and have maintained a 3.88 GPA. I am a student member of ASHRAE and hope to pursue internships and a career in HVAC.

EDUCATION

Bachelor of Science in Mechanical Engineering

University of South Florida

USF GPA: 3.88

Expected May 2022

Tampa, FL

RELEVANT COURSEWORK

Completed

- Computational Methods, Electrical Systems, Fluid Systems, Machine Design, Thermal Systems

Currently Enrolled

- Air Conditioning Design, Applied Finite Element Analysis, Heat Transfer, Alternative and Renewable Energy, Mechanical Engineering Lab II

SKILLS

Basic Carpentry

- Experience with using basic machinery (table saws, band saws, etc.) to construct simple items

CAD Modelling (Solidworks)

- Comfortable with constructing multi-part, moving models
- Professional certification in mechanical design
- Associate certification in additive manufacturing
- Associate certification in simulation
- Associate certification in sustainability

MATLAB

- Proficient at writing code for problem solving

Microsoft Word & Excel

- Able to create well-formatted Word documents
- Extensive experience with creating Excel sheets that are both capable of complex problem-solving and easy to understand

LabVIEW

- Proficient in basic programming and interfacing with hardware
- Previous projects include a wall follower operated using a myRIO, and a GPS message parser