

Student Name

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Education

Public University, Location, PU, 3.4 GPA May 2020
Bachelor of Science in Mechanical Engineering
Community College, Location, PU, 3.6 GPA May 2016
Associates in Arts and Science

Work Experience

Rockwell Collins, Structural Certification Intern Location, ST *June 2018 - August 2018*

- Assisted in static and dynamic tests for structural, combo, head-injury collision, pitch/roll, and head path certifications
- Used NX for headpath analysis, wrote an interface loads pointer report, created a static test data sheet for improved record keeping, compiled technical standard order datasets for FAA record keeping
- Wrote a test data sheet for static testing on new in-flight entertainment installations and a spill test plan for in-flight entertainment protection

Teaching/Open Lab Assistant, UNI

August 2017 - Present

- Assist students with SolidWorks, MATLAB, PBasic, engineering design homework, and projects
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Research Experience

UNI Department of Engineering, Research Assistant, Location, PL *February 2018 - Present*

- Worked with Microsoft HoloLens and blender for visualization
- Used a raspberry pi to implement python code that stitches images together to generate a panorama
- Used a laser attached to a drone to scan an object for its 3-D cartography

Uni Biothermal Laboratories, Research Assistant, Location, NC

August 2016 - May 2018

- Research heat and mass transfer in simple, single-cellular organism while utilizing a differential scanning calorimeter
 - Utilized cryomicroscopy to perform experiments to observe water transport and intracellular ice formation
 - Performed cellular splits, cellular harvests, and media replacements
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Projects

NASA Human Powered Rover Explorations Challenge

- In charge of general body design and assembly
 - Placed 3rd internationally
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Organizations

- President of AIAA Chapter at UNI August 2017 - Present
 - Uni Engineering Brigades Secretary/Member January 2017 - December 2018
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Skills

Technical Skills Microsoft Office, Solidworks, NX, Matlab, LabVIEW
Soft Skills Leadership, Teamwork, Public Speaking, Adaptability

References

Individual information

