

Alexandra Mire
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Education

Bachelor of Science, Mechanical Engineering

Spring 2017

Florida State University, Tallahassee, FL

- Maintained a 3.5 GPA, President's List and Dean's List
 - Mathematics and Physics minors
 - Act Captain, Performer, and Treasurer, FSU Flying High Circus
 - Member, American Society of Mechanical Engineers
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Work Experience

Mechanical Engineering Intern

Summers

Jacobs Technology

2015, 2016

- Directly supported payload, spacecraft, and International Space Station Orbital Replacement Unit processing at Kennedy Space Center
 - Independently researched and developed procedure for assembly prior to acoustic testing of ogive panels for NASA's Space Launch System Exploration Mission 1.
 - Successfully planned and supported work in hazardous operations conditions (lifting and handling, high pressure gas).
 - Authored work authorization documents in Solumina and Maximo pertaining to operations and maintenance for ISS payloads as well as Ground Support Equipment that spell out specific requirements, walk downs, briefings, and emergency procedures to assure the safety of personnel and flight hardware
 - Created a process roadmap for an Engineering Support Request to compile the various steps and departments involved when creating a new project
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Relevant Coursework

- Design Using Finite Element Method
 - Design and Analysis of Control Systems
 - Mechanics and Materials II
 - Thermal-Fluids II
 - Dynamics II
 - Mechanical Systems II
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Software and Hardware Proficiencies

- Pro Engineer
- Matlab
- Maximo
- Solumina
- MathCad
- Milling Machine and Lathe
- Assembly and use of 3D printer