

Tamzin C. Atkins

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Experience

Mechanical Engineer

Sparks, NV

SIERRA NEVADA CORPORATION

Jul. 2016 - Aug. 2016

- Revised parts to be manufactured for an updated autonomous aircraft carrier landing system.
- Created CAD assemblies and conducted finite element analyses to identify potential design issues.
- Spoke with suppliers to find appropriate replacements for outdated electrical components.

Mechanical Engineering Intern

Sparks, NV

SIERRA NEVADA CORPORATION

Apr. 2016 - Jun. 2016

- Interpreted technical drawings to model legacy parts to include in the product lifecycle management library.
- Implemented design changes to ensure the product meets revised customer requirements.
- Generated supporting documentation to show the program was on budget.

Undergraduate Research Assistant

Reno, NV

UNIVERSITY OF NEVADA, RENO

Aug. 2015 - May 2016

- Responsible for taking a hardware enclosure design for a telemetry system from concept through production.
- Ensured product was under budget, and provided documentation to support future manufacturing and assembly.
- Machined parts in-house, assembled 10 final hardware system products, and assisted installations in the field.

Engineering Intern

Mercury, NV

NATIONAL SECURITY TECHNOLOGIES (NEVADA NATIONAL SECURITY SITE)

Summer 2015

- Proposed the use of RFID technology and off the shelf software to increase the ease and safety of monitoring radiation areas.
- Wrote a test plan to characterize the radiation response of the RFID tags when exposed to known radiation sources.
- Reviewed and edited operating procedures to ensure proper opening and closing of radioactive materials packages.

Education

University of Nevada, Reno

Reno, NV

B.S. IN MECHANICAL ENGINEERING

Aug. 2012 - May 2016

- Primary Interests: Dynamics, Controls, and Solid Mechanics
- Cumulative GPA: 3.7/4.0
- Member of Tau Beta Pi - The Engineering Honor Society

Skills

Software

SolidWorks, Femap/NX Nastran, ANSYS Workbench, LS-DYNA

Documentation

GD&T (ASME Y14.5), PTC Windchill, LaTeX, Microsoft Word, Excel, PowerPoint, SharePoint

Machining

Laser Cutting, Milling, Soldering

Programming Languages

MATLAB, LabVIEW

Certifications

Engineer Intern (EIT) #0T7526

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS