

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- Spoke with suppliers to find appropriate replacements for outdated electrical components.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 pricing documentation for procurement department.

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 in 8 months.
- Machined parts in-house, assembled 10 final products, and assisted installations in the field.
- Provided documentation to support future manufacturing and assembly.

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
- Corresponding Secretary and 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, Python

Certifications

Engineer Intern (EIT), License 0T7526

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS