

Tamzin C. Atkins

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Experience

Mechanical Engineer

Sparks, NV

SIERRA NEVADA CORPORATION

Jul. 2016 - Aug. 2016

- Promoted from Intern, minimized analysis computation time by simplifying CAD assemblies and conducted initial simulations.
- Researched new electrical components to modernize current product iteration.

Mechanical Engineering Intern

Sparks, NV

SIERRA NEVADA CORPORATION

Apr. 2016 - Jun. 2016

- Contributed to the addition of a legacy product to company's PLM system by creating CAD models from technical drawings.
- Coordinated construction of subassemblies and final assembly of computer models between colleagues to maximize productivity.

Undergraduate Research Assistant

Reno, NV

UNIVERSITY OF NEVADA, RENO: DEPARTMENT OF MECHANICAL ENGINEERING

Aug. 2015 - May 2016

- Led development of a hardware enclosure, conception through production, and assembled 10 final products.
- Adapted to balancing multiple tasks, consistently met intermediate deadlines.
- Determined materials based on design requirements and budget, prepared bill of materials.
- Acquired machining skills to fabricate components.

Education

B.S. in Mechanical Engineering

Reno, NV

UNIVERSITY OF NEVADA, RENO

Aug. 2012 - May 2016

- Primary Interests: Dynamics, Controls, and Solid Mechanics
- Cumulative GPA: 3.7/4.0
- Elected Corresponding Secretary (2015-2016) of Tau Beta Pi - The Engineering Honor Society

Projects

Remote Control for Personalized Bowling Kit

COMPONENT OF MY SENIOR DESIGN PROJECT

Mar. 2016 - May 2016

- Automated the pin resetting process by familiarizing myself with state machines to develop and execute a software program, utilizing user inputs from the remote.
- Designed the case to be 3D printed - final iteration was 40% cheaper than original design to manufacture.

Skills

Software	SolidWorks, Femap/NX Nastran, ANSYS Workbench
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

Feb. 2016