Tamzin C. **Atkins**

tamzinatkins@gmail.com http://tamzinatkins.com

Experience

Mechanical Engineer

Sparks, NV

Sierra Nevada Corporation

Jul. 2016 - Aug. 2016

- Promoted from Intern, created sufficiently thorough finite element models of a radar antenna pedestal from CAD assemblies.
- Conducted initial simulations and obtained static loading responses.
- Researched electric motors that met electrical requirements and size limitations to modernize and incorporate into current product iteration, and presented available options to electrical engineers.

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.
- Implemented predetermined design changes to meet shock and vibration requirements.
- Coordinated construction of sub-assemblies 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, and presented status updates to supervisors.
- Determined materials based on design requirements and budget, and acquired machining skills to fabricate components .

Education

B.S. in Mechanical Engineering

Reno, NV

University of Nevada, Reno

Aug. 2012 - May 2016

- Cumulative GPA: 3.7/4.0
- Elected Corresponding Secretary (2015-2016) of Tau Beta Pi - The Engineering Honor Society, Member (2014-Present)

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 remote case to be 3D printed with ABS - 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