Tamzin C. **Atkins**

(206) 551-9593 | tamzinatkins@gmail.com | tamzinatkins.com

Experience

Mechanical Design Engineer (Contract) *San Francisco, CA*
SIMBE ROBOTICS *May 2017 - Present*

- Design sensor mounts and conduct testing of sensor performance in robot prototypes for automating retail stock audits.
- Conceptualize, prototype, and construct a training tool for robots to increase speed and accuracy of onboarding process in stores.
- Recommend framework design changes to improve robot's structural rigidity.

Mechanical Design Engineer (Contract) *San Francisco, CA*
SHAPER TOOLS *Mar. 2017 - May 2017*

- Build functional prototypes of a hand-held CNC router in preparation for engineering validation testing (EVT).
- Design assembly fixtures for manufacturing and increasing ease of conformity on production line during EVT build.
- Create sub-assembly drawings to accompany assembly instructions and for design verification.

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.
- Coordinated construction of sub-assemblies and final assembly of computer models between colleagues to maximize productivity.

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 into CAD models to meet shock and vibration requirements.

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)

Skills

CAD	Proficient: SolidWorks | Familiar: Femap/NX Nastran, ANSYS Workbench
Fabrication	Rapid Prototyping, Milling, Laser Cutting, 3D Printing, GD&T (ASME Y14.5-2009)
Programming Languages	Familiar: MATLAB, Python

Certifications

Engineer Intern (EIT), License 0T7526
NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS *Feb. 2016*