

Tamzin C. Atkins

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

Experience

Mechanical Design Engineer

San Francisco, CA

INDEPENDENT CONTRACTOR

Mar. 2017 - Present

- Building and maintaining functional prototypes for use in R&D and validation testing.
- Prototyping rapidly and iterating designs utilizing 3D printers and laser cutters to implement new hardware and design ideas.
- Using CAD to design parts and assemblies, and create drawings for manufacturing and assembly.
- Developing designs for future product revisions to reach new product requirements and presenting proposals to design team.
- Administering validation tests and documenting results to confirm compliance with customer requirements.

Mechanical Engineer

Sparks, NV

SIERRA NEVADA CORPORATION

Apr. 2016 - Aug. 2016

- Coordinated construction of sub-assemblies and final assembly of computer models between colleagues to maximize productivity.
- Contributed to the addition of a legacy product to company's PLM system by creating CAD models from technical drawings.
- Implemented design changes into CAD models to meet shock and vibration requirements.
- Generated sufficiently thorough finite element models of a radar antenna pedestal from CAD assemblies.

Undergraduate Research Assistant

Reno, NV

UNIVERSITY OF NEVADA, RENO: DEPARTMENT OF MECHANICAL ENGINEERING

Aug. 2015 - May 2016

- Led development of a hardware enclosure, design conception through production, and assembled 10 final products.
- Modeled enclosure in CAD, constructed prototypes to verify design, and presented design to stakeholders.
- Fabricated enclosure by utilizing off the shelf components, local vendors, and machining components myself.

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