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Position: Opto-Mechanical Internship

Responsibilities:

- Provides a broad mechanical engineering design background and performs mechanical engineering analysis (stress, fluids, vibrations, thermal).
- Assists in performing detailed design and component layout for new or improved systems.
- Performs tolerance analysis.
- Perform analytical analysis for thermal and structural components.
- Works with other Engineers and CAD Designers for prototype and pilot detailed design.
- Supports driving full documentation of design including, BOM, drawings, and procedures.
- Collaborate with other engineering groups such as Optics engineers and Systems engineers on optical sub-assembly design.
- Collaborate with vendors on the fabrication of mechanical parts, mechanisms, and optics.
- Performs other duties as assigned.

Qualifications:

- Proficient with CAD software. Inventor is preferred.
- Finite element tools, preferably ANSYS Mechanical.
- Finite Element Modeling experience (structural, thermal, vibration).
- Familiarity with MATLAB is preferable.
- Self-starter with demonstrated quantitative analysis and problem-solving skills.
- Able to proactively communicate with different teams and work under pressure.
- Flexible, anticipating a challenging and dynamic environment.
- Strong technical writing, communication, and presentation skills.
- Eager to drive his/her own development.

Potential candidates are welcome to forward their resumes to human.resources@si-ware.com.