



Mechanical Engineer - Internship

Are you ready to join a well funded, fast-growing startup team working to address a major environmental issue? Kuva Systems (based in Boston) and its subsidiary Kuva Canada (based in Calgary) have developed a groundbreaking optical gas imaging system for gas leak detection and quantification used by inspectors and operators in oil & gas, utility and other industries. Man-made methane emissions account for 16% of global climate change and fixing methane leaks is one of the lowest cost climate mitigation measures. The Engineering team at Kuva is designing and developing exciting new technologies integrating both custom hardware and software involving imaging sensors, optics, embedded systems, image processing and pattern recognition.

Kuva is looking for an individual to join a multidisciplinary team developing an integrated system of hardware and software that can take colour images of methane. Members of our team have a deep understanding of engineering principles, are self-motivated, able to multitask, and work well in a dynamic collaborative environment. The intern will have opportunities for innovation and responsibility for design of optomechanics, large tower structures, design for manufacturing, quality control and other challenging projects. The position is based in Cambridge, MA but some work can be done remotely.

Key Responsibilities:

- Work under the direction of our Director of Mechanical Engineering tackle multiple design and manufacturing projects as we scale our deployments
- CAD design of camera assemblies and subassemblies
- 3D printing of production parts
- Assembling and testing sub-systems designed for high volume production
- Design of experiments and analysis for design optimization

Qualifications & Requirements:

- Proficient with Solidworks
- Comfortable with mechanical analysis tools
- Experience working with optics, electromechanical systems preferred
- Experience using shop tools (drill press, mill, band saw) preferred
- Bachelors Degree program in Mechanical Engineering or equivalent experience

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