

Job Title	Engineering Apprentice (HS Intern)
Department	Engineering
Requisition Number	ENG-EA1-HIGHSCHOOL



**Job Summary:**

Students will learn to utilize the Computer Aided Design (CAD) software SolidWorks to perform basic mechanical design functions associated with the aircraft and mechanical/machine design industry. Students will perform geometric layout and graphical representations of 3D models they create. They will develop formal drawings and layouts of their designs and communicate both orally and in writing with Engineers and Technical Designers.

**Impact:**

- **Learning Opportunity Only** – Students will be engaged in developing their CAD skills and learning engineering methods of design, drawing, and problem solving. Perform all technical tasks under the direction and oversight of a Designated Engineer. Work performed by High School students will not be sold to a client.

**Autonomy:**

- Work under the oversight of a Technical Designer Sr. and/or Engineer.
- Daily interaction with senior engineer/manager.
- Program is linked to High School internship program (must be sponsored by High School and treated as part of the student’s curriculum)

**Typical Minimum Qualifications:**

- Completion of a STEAM or CAD class that offer the basics of computer aided design. Students who have not completed a class that introduce the basics of computer aided design but have spent time on their own learning a CAD software such as Google SketchUp, Onshape, Fusion360, etc. are also welcome to apply.
- Strong written and verbal communication skills.

**Salary:**

This is an uncompensated learning experience and must be sponsored by the student’s high school.

**Disclaimer**

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.

**HOW TO APPLY** – Please **Send a copy of your resume, High School teacher or guidance counselors recommendation, and transcript** to [careers@ktmlsolutions.com](mailto:careers@ktmlsolutions.com). Subject of your e-mail response should include the requisition number (see job description header). **ONLY COMPLETE APPLICATION PACKAGES WILL BE PROCESSED.**

ALL CANDIDATES MUST POSSESS AUTHORIZATION TO WORK LEGALLY IN THE UNITED STATES WITHOUT COMPANY SPONSORSHIP.

**THE KTM SOLUTIONS EMPLOYMENT EXPERIENCE** – Exciting Challenges, Rewarding Careers

**Creative Freedom:** There is no substitute for passion and creativity. We strive to foster these traits by allowing our employees a great deal of creative freedom. We believe that creative freedom allows engineers to push the so-called limits and create the finest and most inventive designs they are capable of. You have the freedom to think outside the box and truly be an innovator.

**An Environment of Respect and Trust:** We understand true professionalism to mean mutual respect, responsibility, and trust in the workplace. These traits are foundational to our work environment.

**Flexibility:** Everyone works differently. We understand that people have different ways of fostering productivity. Because of this, we try to be flexible and let our employees choose their hours and create for themselves a work environment that is conducive to creativity and technical excellence.

**Diverse Challenges:** Our unique position in the engineering world means that our employees have the opportunity to work on a wide variety of technical design projects. Our service offerings give you the opportunity to work through diverse tasks and develop new skills every day. From airplanes and automotive parts to conveyors and automated machines, the ever-new challenges make every day fresh and exciting. You never know what you might encounter.

**Time Spent Doing What You Love:** As a company created by an engineer for engineers, we understand that experimentation, design, and creation lie at the heart of engineering. True passion and innovation should not be hindered by hoops, ladders, and whistles that must be jumped through, climbed, and yielded to. No bureaucracy. We enable you to spend your time doing what an engineer is meant to do: creating and innovating.

**THE COMPANY:**

KTM utilizes a staff of registered mechanical engineers (PE) that are qualified in the design and analysis of advanced machines, fixtures, lifting systems, and mechanical structures. We design and analyze for sufficient strength, optimal mechanical performance, and safety in accordance with industry standards and governmental regulations.

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