



Job Description – Mechanical Engineering Intern

Motiv Power Systems (www.motivps.com) is a fast growing green tech company based in Foster City, CA. We provide next-generation power management electronics and software for heavy-duty electric trucks. Motiv's modular, plug-and-play electric Powertrain Control System (ePCS) enables existing vehicle builders to create all-electric versions of existing vehicle types ranging from school buses to garbage trucks.

We are looking for a Mechanical Engineering Intern for the summer of 2015. In this position your primary responsibility will be to design, test, and document Motiv products with the Motiv engineering team. Previous interns have designed complete assemblies and documented their designs for prototype and production, built test fixtures for manufacturing and developed and executed test plans to prove new Motiv technology. Your project(s) will depend on Motiv's needs and your skillset. Be prepared for technically challenging problems in a fast-paced work environment, not fetching coffee. We have high expectations of every employee and our interns are no exception.

Responsibilities may include:

- Design and document power electronics' enclosures, cooling, and cabling in SolidWorks
- Work with Motiv Engineers to design and test the next generation of electric vehicles
- Participate in design reviews with our engineering team

Requirements:

- Enrolled in BS/MS in Mechanical Engineering or a related field
- Experience with SolidWorks and engineering drawings
- Excellent communication skills and ability to work with a team

An ideal candidate will have the following additional qualifications:

- Interest or experience designing for rugged automotive environments
- Experience with cables, harnesses, and electrical connectors
- Familiarity with high-power electronics
- Understanding of ANSI Y 14.5 drawing standards and their application
- Experience with design or fabrication of heavy sheet metal, machined parts, and castings

You will be an active contributor to our team, and your enthusiasm, creativity, and attention to detail are critical to your success. Motiv is a growing company with many opportunities for our employees to make contributions outside of their field. Interns interested in a future career at Motiv are preferred.

This paid internship is based in Foster City, CA. Start and end dates are based on your academic calendar and Motiv's needs, but the internship length is expected to be at least 10 consecutive weeks. Sorry, we are not able to support students without American work or student visas at this time. Applications will be reviewed as they are received.

To apply, please email your resume and cover letter to jobme@motivps.com