

JUNIOR MECHANICAL ENGINEER



Job Title: Junior Mechanical Engineer / Mechanical Engineer Intern

Location: San Diego, CA – Bay Park area

Position Type: Part-Time or Paid Internship with potential for Full-Time in future

Experience Level: B.S. in Mechanical Engineering or within 12 months of graduation

JOB SUMMARY

Lead on various hardware projects from concept, design, fabrication, to testing on a wide range of device-level components and manufacturing hardware under supervision of senior engineering managers. Hands on and ability to work with team and third-party vendors is critical. Creative problem solving, good attention to detail, and excellent working knowledge of SolidWorks are required.

DESCRIPTION

Become a critical member of our fast-growing team working to develop a breakthrough battery technology to change the way batteries are made and used worldwide to enable a greener future. In this position, you will be a key part of our core team, at the forefront of taking next-generation chemistries and packaging them into advanced battery cells.

We are looking for a junior Mechanical Engineer for part-time employment or an internship, with excellent attention to detail to join our team in the Bay Park area of San Diego, CA. The ideal candidate can be given a design concept and independently design hardware components and deliver final hardware systems with minimal oversight from the senior engineers. Major tasks may include the design of battery cell hardware and battery manufacturing hardware. This is a dynamic work environment with several parallel projects with various timelines.

An ideal candidate would have recently graduated or will graduate within 12 months with their B.S. in Mechanical Engineering. The candidate should be thorough in and enjoy design work and able to take on a variety of tasks in a dynamic work environment.

RESPONSIBILITIES

- Design and build hardware components unique to our proprietary battery technology
- Source and purchase necessary components
- Assemble, test, and qualification of hardware systems
- Effectively communicate ideas, concepts, designs, and results with the team
- Work independently and efficiently to reach goals with target timelines
- Deliver epic High Fives

REQUIREMENTS

- B.S. in Mechanical Engineering or within 12 months of graduation
- Good working knowledge of SolidWorks
- Ability to prioritize, multi-task, and succeed in an environment with competing demands
- Basic machining abilities (ex. drill press, sanding)
- Ability to lift 35 lbs.
- An aptitude for learning new things and a keen eye for improving processes

ABOUT SOUTH 8 TECHNOLOGIES

South 8 Technologies, Inc. has developed a breakthrough new *Liquefied Gas Electrolyte* chemistry for electrochemical energy storage devices including lithium batteries and electrochemical capacitors. Our San Diego, CA

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patented technology enables a substantial increase in energy, improved safety, and an exceptionally wide operating temperature. Leveraging conventional materials and manufacturing, South 8 Technologies offers a unique solution for a variety of transportation, grid storage, and aerospace applications.

South 8 Technologies, Inc. was founded in 2015 and spun out of UC San Diego's Jacobs School of Engineering. We are a diverse team, which values integrity and hard work in an environment that encourages creative thinking, collaboration, and honest feedback. Become a critical member of our fast-growing team and grow alongside us as we revolutionize the energy landscape.

JOB APPLICATION

Candidates may apply by sending resume to careers@south8technologies.com.

Candidates only – we will not respond to inquiries from third-party recruiters.

South 8 Technologies is an equal opportunity employer.