OVERVIEW

Do you want to change the world? We do, too.

The energy market is roughly $4 trillion globally, and solar penetration is less than 1%. But just one hour of sunlight, if harnessed, could power the entire world for a year. We have the opportunity to completely change the way energy is produced, distributed and consumed on a global scale, and we’re looking for talented, committed people to help us drive our growth and achieve our goals.

SunPower is a global solar energy solutions company with a rich heritage of pioneering the best energy technologies in the world. Our solutions are unrivaled in terms of long-term reliability, efficiency and guaranteed performance, and our company is unmatched in terms of global reach and scale. Through design, manufacturing, installation and ongoing maintenance and monitoring, SunPower provides its proprietary, world-record efficient solar technology to residential, commercial and utility customers worldwide.

SunPower is changing the way our world is powered every day with a brilliant, passionate and driven team of more than 7,000 in North America, Europe, Africa, Asia and Australia. In an industry that is reshaping the world’s energy future, there’s no better place to be than SunPower.

Roles and Responsibilities

We believe that our employees create our brand – with each project, each communication, each task completed and each interaction. Experience is critical to SunPower in regards to not only our customers but also our employees and dealer partners. As such, we strive to hire candidates that are service focused. The experience we would expect the ideal person to deliver is:

As an R&D intern within the SunPower solar cell R&D team, you will join a team working on the development of the next-generation solar manufacturing technology for the highest efficiency modules. In this role, you will have opportunities to contribute to the design and fabrication of prototype manufacturing equipment, measure various characteristics of solar cells, and analyze data. The goal of the project is to bring a novel low cost/high performance cell metallization process to manufacturing readiness, and involves equipment, process and characterization
development. Additionally, you will gain experience working in a research and development laboratory.

Experience Gained:

Silicon processing technology used in Solar, Semiconductor and MEMS fabs.

Manufacturing machine design, including machine vision, wafer handling, precision mechanics

Hands-on experience with materials characterization tools

Collaborate with different R&D teams based in San Jose

Write and present reports on work to communicate with other research teams

Intern Program Overview:

10-12 week summer program

Interns will individually work under the direction of their managers and will participate in a series of preplanned events throughout the summer, including executive presentations, a team-building day, and an end-of-program intern presentation to his/her manager and eStaff member about the project they delivered during their internship.

All interns will complete the program by the last day of August 2019. At the completion of the program, the intern will be evaluated and considered for possible future full-time employment upon graduation.

Hourly-based, paid internship, approximately 40 hours per week.

Education and Qualifications
Level of junior or above and in good standing at a four-year university enrolled as a full-time student pursuing an undergraduate degree in Mechanical Engineering, Electronic Engineering, Material Science, Semiconductors, Physics or related field.

Hands-on experience with mechanical/electronic prototyping and vision systems would be beneficial.

Experience using CAD software such as SolidWorks would be beneficial.

Preferred Skills
The program is open to undergraduate and graduate students, depending upon the requirements of the specific position.

A current student, ideally enrolled in an academic program at one of SunPower’s partner schools.

How to Apply
https://sunpower.dejobs.org/san-jose-ca/rd-summer-intern/4CDB18F9B50946DD9C69D5CB3D3C09EF/job/