

Job ID: 4
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Rover Electrical Engineer Internship

Earthrise Space Foundation, Inc. (ESF) is a 501(c)3 non-profit research lab dedicated to developing space technology in collaboration with industry and academic institutions. Our goal is to provide students with hands-on experience in the areas of simulation, Science, Technology, Engineering, and Mathematics (STEM). ESF is currently pursuing the Google Lunar X PRIZE and has an Innovative Lunar Demonstrations Data (ILDD) Contract from NASA.

A majority of the requirements for our mission and the ILDD Contract require simulations for terrain mapping, mechanical analysis, orbital mechanics, data acquisition and data generation. MATLAB, Simulink, NI LabVIEW, Satellite Tool Kit/AGI, SolidWorks, CATIA, are a few of the software packages that ESF utilizes for simulation purposes.

ESF Facility Location:

3251 Progress Drive
Suite D, Room 205
Orlando, FL 32826

Job Description:

This Electrical Engineering position is responsible for designing the electrical systems of the Lunar Rover.

Responsibilities:

- Design electrical system for the Lunar Rover
 - Designing and working with solar panels
 - Designing the charger for the solar panels
 - Designing the power distribution system
- Ensure all sensors are compatible with the computer and electrical systems.
- Assist in designing computer system
- Comply with ITAR and EAR.

Requirements:

- Must be a US citizen
- NI LabVIEW, MATLAB, Microsoft OneNote, Outlook, Excel and Word are a plus
- Must be pursuing a degree in Electrical Engineering, or a related major from an accredited university
- Strong ethics and teamwork skills

This position is unpaid

Send your resume to Internships@earthrise-space.org, be sure to tell us the name of the position and the Job ID you are applying for.