

<b>Job Title:</b> GLEE Embedded Software Engineer	<b>Position #:</b> G01
<b>Project:</b> GLEE	<b>Available Positions:</b> 1
<p><b>Description:</b>  Students working on the GLEE Software team will lead the development of embedded software for the LunaSat and accompanying . This will include writing code to support mission use cases, RF communications, data visualizations, and functionality testing. Common languages used in development include C++ (Arduino) and Python. GLEE Software interns will be responsible for assisting the Communications and Public Outreach team with the global remote workshop by developing and improving Jupiter notebooks for exploring and generating sensor configurations and by helping student teams with software-related issues. GLEE Software interns may be asked to work on hardware trade studies and support hardware testing by other teams when appropriate.</p>	
<p><b>Minimum Requirements:</b></p> <ul style="list-style-type: none"> <li>● Experience with an object-oriented programming language ( Java, C++ )</li> <li>● Experience with a general-purpose or procedural programming language ( Python, C )</li> <li>● Experience programming and testing microcontrollers ( Arduino )</li> <li>● Willingness to pick up and adapt to changing project technologies</li> </ul> <p><b>Desired Skills:</b></p> <ul style="list-style-type: none"> <li>● Experience working with the AVR microcontroller architecture</li> <li>● Experience with RF communications and/or with the network layer of the OSI model</li> <li>● Experience with test-driven development</li> <li>● Experience with back-end development</li> <li>● Understanding of topics covered in classes including, but not limited to, ECEN 2370, ECEN 5813, ECEN 4313, ECEN 4763, CSCI 1300, CSCI 2270 / 2275, CSCI 2400, CSCI 3308, and CSCI 4448</li> </ul>	
<p><b>Recommended Majors:</b> Electrical and Computer Engineering and Embedded Systems (preferred), Computer Science</p> <p><b>Grade Level:</b> Junior-Grad Student</p>	
<p><b>Time Commitment:</b> 10 hours/week fall semester</p>	
<p><b>Type of Position:</b> Biweekly/hourly paid: \$16 hour</p>	
<p><b>Apply by:</b> Until position is filled</p>	