Internship title: IT Intern

Organization: SolarSPELL (Solar Powered Educational Learning Library)

Location: Hybrid: Tempe campus (10%) and remote (90%)

Type of internship: Non-paid; 10 hours per week

Application deadline: April 24th; applications will continue to be accepted and reviewed every week until the position is filled.

Start date: May 25th, 2022

Description:

SolarSPELL is seeking 1-2 interns to assist the IT specialist in a diversity of tasks, including library export, server troubleshooting, debugging, and more. This role is an ideal opportunity for a student looking to gain a breadth of experience handling dynamic tasks.

SolarSPELL at ASU is a global educational initiative that combines curated digital libraries, solar-powered technology, and the training to build information literacy and internet-ready skills in offline environments, focusing on the half of the world that remains unconnected. Our offline digital library is designed to bring educational content to resource-constrained locations that may lack electricity, Internet connectivity, and/or traditional libraries. The SolarSPELL library emits an offline WiFi hotspot, to which any WiFi capable device (smartphones, tablets, laptops) can connect and browse the expansive content for free.

Users connect to the SolarSPELL offline, digital library over WiFi, using any WiFi-enabled device (smartphones, tablets, laptops) to freely, and safely, surf thousands of resources that are carefully curated and continually improved to meet local information needs.

More information on SolarSPELL can be found here: http://solarspell.org

This internship offers an exciting opportunity to contribute to improving the quality of educational information available to students and teachers around the world, whose schools may lack Internet connectivity, electricity, and/or traditional libraries. Your contributions will be brought to the field and used by teachers and students, potentially within months of your internship!

Interns will be expected to attend a new intern orientation upon starting the internship. Ideal candidates will be detail-oriented and self-starters.

Essential Duties:
- Utilize the Digital Library Management System (DLMS) to export SolarSPELL digital libraries as needed
- Host SolarSPELL digital libraries on development and production servers including raspberry pi mini computers
- Publish and apply regular updates to the digital library management system running on the Linux offline server
- Maintain the DLMS backup system

Minimal Qualifications:
- Academic focus in Information Technology, Computer Engineering, Computer Science, or a related field.
- Strong proficiency in linux scripting languages
- Knowledge in managing Linux systems and administering Apache and Nginx servers
- Understanding of the web development cycle and programming techniques and tools
- Proficiency in HTML, CSS, JavaScript and Bootstrap. Proficiency in Angular is a plus.
- Effective verbal and written communication skills.
- Thrive in a team environment and work well with others.

How to apply: If you are interested in applying for this position, please submit a resume and cover letter to Courtney Finkbeiner at courtney.finkbeiner@asu.edu. All documents should be in PDF format and follow the naming style of [LastName_FirstName_DesiredPosition]