



**Internship title:** Web Developer

**Organization:** SolarSPELL (Solar Powered Educational Learning Library)

**Location:** Tempe; remote

**Type of internship:** Non-paid

**Application deadline:** November 14th, applications will continue to be accepted and reviewed every week until the position is filled.

**Start date:** January 6th; this position is for the 2022 Calendar Year, for two semesters.

**Description:**

SolarSPELL is seeking 2 interns to continue the development of a content curation web app that began in Summer 2021. The app will be used by future student teams to curate resources for our various library collections. New interns will ideally commit to two semesters

SolarSPELL is an educational initiative at Arizona State University that combines appropriate technology, relevant content, and local capacity building. We work to build internet-ready skills and improve educational opportunities around the world. We work with in-field partners, like the Peace Corps and the UN Refugee Agency, to build local capacities and ensure long-term, sustainable impact.

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 the beginning of the internship. Ideal candidates will be detail-oriented and self-starters.

**Essential Duties:**

- Develop UI components using React concepts and workflows such as Redux
- Develop APIs and server-side methods in Django to serve the application requirements
- Troubleshoot the web application and Debug codes
- Build testable and reusable code
- Adhere to SolarSPELL brand guidelines to ensure responsiveness of designed web pages

**Minimal Qualifications:**

- Academic focus in computer science, web development or a related field.
- 1+ years of professional experience in backend development.
- Proficiency in Python, React, Django framework and Material Design is required
- Knowledge of ORM (Object Relational Mapping) frameworks and RESTful principles
- Knowledge of responsive web design concepts
- Understanding of the web development cycle and programming techniques and tools
- 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](mailto:courtney.finkbeiner@asu.edu). All documents should be in PDF format and follow the naming style of [LastName\_FirstName\_DesiredPosition]