Student Web Developer at the Agricultural Informatics Lab

At the Agricultural Informatics Lab, we conduct design research and technology development to improve resilience in food and agricultural systems. We build a range of products, from farmer-facing decision support tools and community-oriented local food system toolkits, to developer-facing APIs that serve a range of agricultural data. We conduct human-centered design research, translate our findings into usable and useful software prototypes, think critically about the role of technology in local and global food systems, and build real tools for real users. Each of our projects includes: a partnership with domain experts and communities (e.g., agronomy researchers, farmers, food hub coordinators), a mix of undergraduate students, graduate students, senior personnel, and interdisciplinary faculty. All our work is grounded in community needs and desires and results in open source projects.

We are looking to hire a **web developer** who is willing to take on a range of open source software development projects across the breadth of work in our lab. You will begin with migrating and redesigning a wordpress website and decision support tool. Opportunities to expand on this work are available upon successful completion of the project. Axilab and MCCC seek an ambitious developer to continue work on human-centered support tools.

Activities include:

- MCCC Website migration, redesign, and development.
    - Migrate the MCCC Wordpress website.
    - Assist with minor Wordpress development tasks.
    - Redesign website per with user-input via MCCC
- MCCC Decision Support Tool migration, data integration, and development
    - Migrate a Javascript decision support tool and its associated database.
    - Duplicate decision tool functionality and database to share external collaborators.
    - Work with data team to integrate MCCC cover crop data into the Plant Data Service API
- Communication with partners to ensure website and tool efforts meet expectations.

Skills & Languages Needed:

- Experience with Wordpress customization and website management
- Experience with basic web design concepts.
- Experience with server administration, in particular for website maintenance and deployment
- Familiarity with Javascript (react.js, node.js), HTML/CSS, SQL.
- Some familiarity with using third-party APIs.
- No agricultural experience is necessary, but interest encouraged!

Preferred Experience:

- Some relevant work experience in web development (can include schoolwork).
- 1-2 years of relevant educational experience building web apps and UI concepts.
- Must be enrolled or plan to be enrolled as a full time student at Purdue University
- A portfolio, overview of previous projects, or links to sample projects, is desired