

ALICE RUSSELL

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EXPERIENCE

JULY 2021 – CURRENT

FULL STACK APPRENTICE, SPARKBOX

Collaborated with a team of three to seven daily to produce the public-facing sparkbox apprentices marketing page. Created a demonstration front end for the Automated Lighthouse Testing project. Learned a full JavaScript stack for web development from HTML/CSS/JS to React to databases, git, and deployment protocols with Github Actions/Netlify by creating real web projects on a consistent schedule.

MAY 2020 – JULY 2021

RESEARCH ASSISTANT, INDIANA UNIVERSITY

Implemented live evaluation of the Beginning Student Language (BSL) using React and TypeScript. Wrote extensive unit tests to ensure proper functionality of the language's features, including an informative error recovery system. Wrote a BSL tokenizer, parser, and evaluator in TypeScript for this project.

MAY 2019 – CURRENT

WEB DEVELOPMENT INTERN, INDIANA UNIVERSITY – OFFICE FOR THE VICE PROVOST OF EDUCATION

Created the Automated Lighthouse Testing project using Node, MongoDB, Angular, and Express. This project is used to test 1500+ web pages over 35 websites. Built and maintained websites which meet WCAG 2.0 standards. Attended and participated in regular developer meetings.

DECEMBER 2017 – MAY 2019

UNDERGRADUATE INSTRUCTOR, INDIANA UNIVERSITY

Lead weekly laboratory sections, attended weekly meetings, provided one-on-one assistance with students, and graded exams and assignments in accordance to established deadlines.

JULY 2017 – DECEMBER 2017

ACADEMIC SUPPORT CENTER TUTOR, VINCENNES UNIVERSITY

Tutored students primarily in math to an average of one letter grade improvement.

SKILLS

- General – Scrum/Agile, collaboration, data structures, algorithms, functional programming, object-oriented programming, a11y
- Development — HTML5/CSS3, React, JavaScript, TypeScript, MongoDB/noSQL databases, git, GitHub, VSCode