Sarah Bartley Dye

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Detail-oriented and community-driven software engineer with a background in education and hands-on experience in full-stack development. Adept at building responsive web applications using JavaScript, Python, and Ruby. Skilled in mentoring beginners, breaking down complex topics, and creating clean, user-centered designs. Brings a unique blend of technical know-how, teaching background, and communication expertise to development teams.

Technical Skills

Languages: JavaScript, Python, Ruby, PHP, HTML, CSS
Frameworks & Libraries: React, Node.js, Bootstrap, Bulma, jQuery
Tools & Platforms: Git, GitHub, WordPress, VS Code, Command Line, Adobe Creative Suite
Other: Responsive Web Design, UX Design, Web Accessibility

Relevant Experience

Online Coding Instructor, Coding with Kids, Remote, Dec 2022 - Present
- Coding with Kids is an online coding academy that teaches kids programming concepts and how to code games. (https://www.codingwithkids.com).
- Improve student understanding and application of coding skills by teaching live and asynchronous instruction in Python, facilitating instruction with Zoom, Scratch, and Codesters, and maintaining high levels of student engagement and participation.
- Provided individualized support through hosting weekly office hours, ensuring students mastered core concepts and completed Python games.
- Motivated students to continue coding by writing weekly email newsletters to parents, hosting monthly demo nights, and submitting progress reports at the end of each session.

Speaker, Code & Coffee Conference, Apr 2025
- Designed and presented the lightning talk *Pitch to the Strike Zone: How Design Skills Can Bring an Accessible Web to Life*.

Software Engineer, Sarah Bartley, Canton, OH, Aug 2015 - Sept 2023
- Redesigned two WordPress websites under budget by editing existing WordPress themes, creating custom page templates, and refactoring code to improve website features.
- Increased website performance by 15% by debugging, marking up code, and running regular tests..
- Improved freeCodeCamp open-source programming guide by writing, editing, and submitting 3 articles about visual design.
- Overhauled front-end web developer productivity by collaborating with three developers on the Grow with Google 2018 front-end web development resources guide.

Instructor, Girl Develop It, Oct 2021
- Girl Develop It is a non-profit organization that creates opportunities for women and non-binary adults to learn tech skills. (https://girldevelopit.com/)
- Planned and delivered the talk *How to Start a Freelance Career in Tech*. *How to Start a Freelance Career in Tech*.

Moderator, Elphas Can Code, Sept 2019 - Mar 2022
- Founded Elphas Can Code online community on Elpha (https://elpha.com). Elphas Can Code was an online community where all women learning to code could talk and support each other as they learned tech skills.
- Grew Elphas Can Code online community by 10% by reviewing community posts, enforcing community guidelines, and facilitating conversation topics for all members to participate.

Education

University of Akron - Master's Degree
Otterbein University - Bachelor's Degree

Certifications
freeCodeCamp - Responsive Web Design, JavaScript Algorithms & Data Structures
Skillcrush - Web Design, WordPress Development