

Zane A Wilson

Software Developer

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Skills

Languages & Libraries: JavaScript, TypeScript, Python, React.js, Node.js, jQuery, JSON, HTML, CSS
Frameworks: React Native, Next.js, Express.js, GraphQL, REST, Tailwind, Sass, Bootstrap, Django
Software & Databases: Docker, Dgraph, Firebase, AWS, NPM, GitHub, VS Code, Figma, Postman, Slack

Professional Experience

Full Stack Developer, May 2021 - Current, *Share-a-Cart.com* [🔗](#)

Extension for browsers that allows sharing of shopping cart contents across the internet in just a few clicks. Some of my duties include: reverse-engineering vendor sites like GrubHub, Dominos, and many more to enable 1-click cart saving and 1-click cart loading; developing easy-to-use, pixel-perfect UI's; developing analytics script to handle millions of points of data, and more.

- Tech stack includes TypeScript, JavaScript, React, React Native, jQuery, EJS, Tailwind CSS, Node, Firebase, and Express.
- Reference from lead engineer/founder available upon request.

Projects

Pathfinding Visualizer, *zanes-pathfinder.vercel.app*

Developed in React and Typescript. The goal of this project was to create an animation displaying Dijkstra's famous pathfinding algorithm, guaranteed to find the shortest distance between the start and end point, honoring weighted paths and walls. The web app will first display each visited node in order and once the end node has been reached, it will display the shortest path in order.

Student Profiles, *zane-student-profiles.vercel.app* [🔗](#)

Built with React and styled using Tailwind CSS. This static site fetches data from an external API, iterates over the data to create dynamic and interactive components and also takes user input in the form of tags. I implemented memoization for expensive functions and developed a query system to search the database with one or more search inputs.

Pizza Site, *github.com/zaneaw/pizza-by-zane* [🔗](#)

Built in React, this is a full-stack web application. I developed a backend using MongoDB and utilized JWT for user authentication. Project includes a system for users to login and view favorited pizzas as well as the ability to leave comments on pizzas for other users to view. The stack involved in this site includes Redux, Bootstrap, Express, and MongoDB.

Courses

Full Stack Web Development [🔗](#)

JavaScript Algorithms and Data Structures [🔗](#)

Scientific Computing with Python, *University of Michigan* [🔗](#)

Django Web Specialization, *University of Michigan* [🔗](#)