Taylor Wofford

Software Developer

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Skills: React, Redux, JavaScript, jQuery, D3.js, Node.js, Ruby, Ruby on Rails, RSpec, Mongoose, MongoDB, Express, SQL, PostgreSQL, Google Maps API, Heroku, Webpack, HTML5, CSS3

Projects:

Slick (Live|GitHub) **—** *A pixel-perfect Slack clone — Rails, PostgreSQL, React, Redux, WebSockets*
- Implemented real-time messaging and notifications with WebSockets. Replaced server polling with Action Cables, reducing latency and the number of connection requests to the server.
- Built user authentication from scratch. Employed a custom, RESTful session controller, custom authentication routes, random, 64-byte session tokens and encrypted passwords.
- Utilized JBuilder to maintain frontend state. Kept state (formatted as JSON) standardized across dozens of React components.

InStock (Live|Github) **—** *App to locate hard-to-find products in local stores — MongoDB, Express, React, Node*
- Utilized Google Maps JavaScript API. Integrated the API with React to allow unidirectional data flow while preventing constant rerendering, removing shuddering and improving performance.
- Worked with a team of three other developers, specializing in frontend development and graphic design.
- Implemented single-page design, Wrote conditional logic to allow logged-in users to add markers to the map while preventing logged out users from doing the same, requiring only one route.

Cars Kill (Live|GitHub) **—** *Data visualization of fatal and/or injurious motor vehicle collisions in New York City from 2014 to present **—** JavaScript, jQuery, D3.*
- Wrote efficient queries in the Socrata Open Data API's SoQL language to create a seamless user experience with a 1.85 gigabyte dataset.
- Improved user experience by preloading the city map, making subsequent AJAX queries faster, and giving users options to limit queries to certain dates and boroughs, noticeably improving overall site performance.
- Utilized D3 for all DOM manipulation, including custom hover effects and SVG mapping.

Experience:

Program Manager, New York City Urban Debate League (September 2017-January 2020)
- Improved overall stakeholder satisfaction by 23% by integrating new programming policies based on data collected from stakeholders.
- Oversaw a $1 million programming budget.
- Managed a team of four.

Freelance Journalist, Various (November 2013-August 2017)
- Researched and wrote rigorously-sourced feature stories for VICE's Motherboard, Quartz, *Newsweek*, The Outline and Gothamist, among others.
- Won fellowships to travel to Cuba and Japan.

Education:

App Academy (January 2020-May 2020) – intensive software engineering bootcamp with lower than 3 percent acceptance rate. Learned React, Redux, JavaScript, Ruby, Rails, SQL and more.

University of Kansas, Bachelor of Science in Journalism (2005-2009), 4.0 GPA.