Sayan Sivakumaran

Web Developer

New York City, NY - Willing to Relocate

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Summary

Web developer with strong portfolio. I can build and deploy websites/applications that are fast, responsive, and cross-browser compatible. I have around one year of experience using JavaScript, and am very comfortable with technologies such as Node.js and React.

Education

Stony Brook University *Stony Brook, New York*
BS in Mathematics, Minor in Computer Science *May. 2019*

Skills

Frontend	React, Redux, Javascript, HTML5, CSS3.0, SASS
Backend	Node.js, Express.js, MongoDB, MySQL
Testing	Mocha, Jest, Enzyme
Deploy	Heroku, Netlify
Misc	Git, Webpack, GatsbyJS, Python, Java

Personal Projects

EOVis *eovis.herokuapp.com*
Interactive Map of Natural Disasters *React, Redux, Mapbox, SCSS*

- Makes **AJAX** requests to an API and converts data into GeoJSON
- Created a **RESTful API** that understands spacial and temporal queries
- Implemented **client-side routing** with React Router for faster perceived performance
- Uses **data-driven styling** to create an informative and interactive map

Visual Graham Scan *visualgrahamscan.com*
Playground for Convex Hull algorithm *React, Redux, SCSS*

- User can randomly generate or manually add points
- User can run the algorithm step-by-step, or let the computer run it automatically
- Applied **TDD** principles to test algorithm and user interaction
- Uses **Redux** for rigorous state management

Weekly Planner *schedulemaker.netlify.com*
Keeps track of your busy schedule *JavaScript, SCSS*

- Allows a user to plan their weekly schedule down to the minute
- Uses the **MVC** pattern to organize code
- Makes efficient **DOM manipulations** in vanilla JavaScript
- Implemented **persistence** of data using local storage

Experience

Tutor.com
Remote Mathematics Tutor *March 2018 - PRESENT*

- Broke down complex subjects into a more digestible form
- Tutored over **300+** students in various topics, such as geometry and linear algebra
- Average rating of **4.6/5**

Awards

- **Presidential Scholarship**, from 2015 - Present
- **Dean's List**, from 2016 - Present