

# Sayan Sivakumaran

WEB DEVELOPER

New York City, NY

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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 over one year of experience using HTML, CSS, and JavaScript, and am very comfortable with technologies such as Node.js and React.

## Education

### Stony Brook University

BS IN MATHEMATICS, MINOR IN COMPUTER SCIENCE

Stony Brook, New York

May. 2019

## Skills

**Frontend** React, Redux, Javascript, HTML5, CSS3.0, SASS

**Backend** Node.js, Express.js, MongoDB, MySQL, Firebase

**Testing** Jest, Mocha, Jasmine, Enzyme

**Deploy** Heroku, Netlify

**Misc** Git, Webpack, GatsbyJS, Python, Java

## Personal Projects

### EOVis

[eovis.herokuapp.com](http://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](http://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](http://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