

# Sayan Sivakumaran

WEB DEVELOPER

New York City, NY - Willing to Relocate

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## Summary

Web developer with strong portfolio. Originally a mathematics student, I started taking computer science courses a year ago while learning modern web technologies on the side. I can build and deploy applications and websites that are both responsive and cross-browser compatible. I can also use my JavaScript experience (especially with React and Node.js) to add interactivity to such websites.

## Education

### Stony Brook University

MATHEMATICS MAJOR AND COMPUTER SCIENCE MINOR

Stony Brook, New York

May. 2019

## Skills

<b>Frontend</b>	React, Redux, JavaScript, HTML5, CSS3.0, SASS
<b>Backend</b>	Node.js, Express.js, MongoDB, MySQL
<b>Testing</b>	Jest, Enzyme
<b>Deploy</b>	Heroku, Netlify
<b>Misc</b>	Github, Webpack, Python, Java

## Personal Projects

### EOVIS

[eovis.herokuapp.com](https://eovis.herokuapp.com)

INTERACTIVE MAP OF NATURAL DISASTERS

- 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](https://visualgrahamscan.com)

PLAYGROUND FOR CONVEX HULL ALGORITHM

- 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](https://schedulemaker.netlify.com)

KEEPS TRACK OF YOUR BUSY SCHEDULE

- 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** as of February 2019

## Awards

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