

# JASON MUSTAFA

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## EXPERIENCE

### Frontend Development Intern

*May – August 2018*

*The VMC Group, Bloomington, NJ*

- Constructed website layout to display anchorage reports, product and user databases, etc., using **React** and the Material-UI framework.
- Built **JavaScript** functions to calculate maximum tension and shear loading on equipment during seismic certification testing, reducing calculation times by a factor of 10.
- Calculated SDS (short period design spectral acceleration) values for countries and 40,000 US cities with high seismic activity and plotted cumulative population vs. SDS in Excel.

## EDUCATION

**Rutgers University**, New Brunswick, NJ

*Expected: May 2020*

Bachelor of Arts in **Computer Science**, Minor in Mathematics

GPA: 3.119/4.00

*Honors:* Presidential Scholar, Dean's List: Spring 2019

*Coursework:* Intro Computer Science, Partial Differential Equations, Honors Physics III

## PROJECTS

### Prayer Times Application

- Web application to view current prayer times using **React** and Material-UI.
- Uses GEOIP DB to automatically detect user location and the MapQuest Geocoding API for manual location entry.

### Discord Bot

- Simple bot written in **TypeScript** used for light moderation and minigames within server.

### Personal Website

- Portfolio made using HTML and the Bulma CSS framework to showcase programming projects.

## SKILLS

**Programming Languages:** Java, C, JavaScript, HTML & CSS, MATLAB

**Software & Frameworks:** React, Git, Node.js, TypeScript, SolidWorks, After Effects, Photoshop

## LEADERSHIP

### Peer Mentor

*Spring 2018*

*Rutgers School of Engineering, Piscataway, NJ*

- Met with four students on a weekly basis to discuss and reinforce study skills and test-taking strategies, as well as offered advice on how to have a successful and enriching semester.
- Provided an outlet for any personal problems the students had as well as a connection to the appropriate resources at Rutgers University to further assist them.