

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: January 2021

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.