

JASON MUSTAFA

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EDUCATION

Rutgers University, New Brunswick, NJ *Expected: May 2021*

Bachelor's in **Computer Science**, Minor in Mathematics

- *Honors*: Presidential Scholar, Dean's List
- **Summer internship with iCIMS cancelled due to COVID-19**

EXPERIENCE

Software Engineering Intern *Jun 2019 - Mar 2020*

The VMC Group, Bloomingdale, NJ

- Created view cube to position and rotate camera in proprietary 3D software using **JavaScript**, decreasing average number of clicks needed to switch planar views by 43%
- Implemented dynamic mouse picking system with ray casting in three.js (WebGL framework)
- Recreated user interface in **Angular** to make web application load 2.5 times faster
- **Trained two interns** on the basics of JavaScript and Git

Computer Lab Consultant *May 2019 - Mar 2020*

Rutgers Office of Information Technology, New Brunswick, NJ

- Troubleshooted desktop computers and printers for a lab with more than 300 daily users
- Assisted patrons with device, network, and other technology-related issues

Front-End Development Intern *May 2018 - Aug 2018*

The VMC Group, Bloomingdale, NJ

- Constructed website interface with **React** to display anchorage reports and product databases
- Built **JavaScript** functions to calculate maximum tension and shear loading on equipment during seismic certification testing, reducing calculation times by a factor of 10

PROJECTS

Railway Booking System: Mock train line database system made with **Java, AWS, and MySQL**

- Features user/employee authentication and reservation querying, booking, and management

Prayer Times: Progressive web app that displays location-based Islamic prayer times using **React**

- prayertimes.netlify.com

House Estimator: One-shot machine learning algorithm written in **C** to estimate house prices

Snowy: Discord bot written in **C#** used for light moderation and minigames within servers

SKILLS

Languages: Java, C, JavaScript, MySQL, React, Angular, HTML & CSS, MATLAB

Software: Git, AWS, Node.js, Visual Studio, Eclipse, IntelliJ, three.js, pdfmake