

JASON MUSTAFA

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EDUCATION

Rutgers University, New Brunswick, NJ

Expected: Jan 2021

B.A. in **Computer Science**, Minor in Mathematics

- *Honors:* Presidential Scholar, Dean's List

SKILLS

Programming Languages: Java, JavaScript, TypeScript, HTML & CSS, MATLAB

Software: Git, Eclipse, Visual Studio, AWS Cloud9, SolidWorks

Frameworks: React, Angular, Node.js, three.js, pdfmake

EXPERIENCE

Software Engineering Intern

Jun 2019 – Present

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 (based on WebGL)
- 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 – Present

Rutgers Office of Information Technology, New Brunswick, NJ

- Troubleshoot desktop computers and printers for a lab with more than 300 daily users
- Assist patrons with device, network, and other technology-related issues
- Perform routine maintenance for lab equipment and log hourly usage statistics

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

Prayer Times: Progressive web app to search for current Islamic prayer times by location using **React**

- <https://prayertimes.netlify.com>

Expression Eval: Program written in **Java** used to tokenize and calculate arithmetic expressions

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

Portfolio: Website made using **HTML & CSS** to showcase additional programming projects

- <https://www.jasonmustafa.com>