

Japneet Singh

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EDUCATION

UNIVERSITY OF MARYLAND

Bachelors Computer Science, Expected Graduation, May 2021

College Park, Maryland

GPA: 3.65

SKILLS

- Java, C++, C, C#, Python, R, JavaScript, TypeScript, Flask, Node.js, React.js, Angular.js, Vue.js, Ruby, SQL, Firebase, ruby, Git, AWS, Webpack, Browserify, HTML5, CSS3, SCSS

WORK EXPERIENCE

Joint Quantum Institute

Web Developer

College Park, Maryland

Feb 2018 – Present

- Creating a modular website using React.js framework with many multimedia elements and a structure to expand in future.
- Using three.js and GreenSock (GSAP) for short animations, graphics, and simulations and developing a visually driven online resource to engage non-expert audiences in understanding the basics of quantum physics.
- Using latest libraries with React.js like styled components to make styling of individual articles easier.

MAVRIC

Web Developer

College Park, Maryland

Feb 2018 – Present

- Creating and updating the front-end and backend portions of the website.
- Developing new conference mini-site by integrating attendee library to manage registration.
- Maintaining and updating the current website using Drupal 8.

Bitcamp

Backend Developer

College Park, Maryland

Nov 2018 – Present

- Developed a python logging system to keep track of hits to endpoints.
- Read logging file to analyze endpoints and come up with useful stats.
- Created config file to make the web app more customizable based on the needs of other hackathons.
- Created AWS CloudWatch instance to log stats from EC2 instance.

Technica

FrontEnd Developer

College Park, Maryland

Apr 2018 – November 2018

- Built several components in React for the Expo app and increased code reusability by 40%.
- Reduced calls to database from every page by efficient state management in React.
- Collaborated with Quality Assurance in developing a test plan to ensure successful deployment of updates.

PROJECTS

- AnimeTab
 - Tech Stack: Flask, python, JavaScript, SQLite
 - Replaces chrome homepage with new anime quotes.
- Whens your class
 - Tech Stack: JavaScript, python
 - Chrome extension that scrapes your schedule and outputs a new schedule in any time zone and adds schedule to google calendar.
- FIFA World Cup Notifier
 - Tech Stack: R
 - Sent out desktop notifications of live scores.
- Autonomous Vehicle
 - Tech Stack: Arduino
 - Avoided obstacles and navigated to the destination and performed chemical neutralization.