Japneet Singh

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EDUCATION

UNIVERSITY OF MARYLAND   **College Park, Maryland**
Bachelors Computer Science, Expected graduation, May 2021   *GPA: 3.65*

SKILLS

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

WORK EXPERIENCE

Division of IT, University of Maryland   **College Park, Maryland**
Network Operations Center   *Sep 2018 – Present*
- Monitored the performance and capacity of computer systems using MVS mainframe.
- Looked out for hardware, software, and environmental alerts or malfunctions.
- Troubleshooted and resolved IT issues by following standard operating procedures. Updated the ticketing system and increased the knowledge base of NOC by tracking all issues.

Technica   **College Park, Maryland**
FrontEnd Developer   *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.

University of Maryland   **College Park, Maryland**
Research Assistant   *May 2018 – Present*
- Working on causal analysis of ecological data using information theory techniques.
- Using Transfer Entropy, Granger Causality, and CCM to interpret the direction flow in the system and comparing the results of the three methods.
- Created data simulations and also cleaned the original data in R.

GetMeCab
FrontEnd Developer Intern   *May 2016 – Jul 2016*
- Increased responsiveness by creating and implementing a custom CSS grid system, with CSS media queries for mobile responsiveness.
- Tested front-end code in multiple browsers to ensure cross browser compatibility.
- Analyzed functional requirements and product specifications. Leveraged responsive web frameworks to consistently complete product deliverables ahead of schedule.

PROJECTS

- When's Your Class
  - Tech Stack: Cheerio.js Vue.js JavaScript
  - Generates a new student schedule based on the time-zone the student wants.
- Leftovers
  - Tech Stack: React.js Firebase Redux
  - Calculates BMR and suggests meals for the day. Also suggests what meals you can make with leftovers in fridge
- 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.