YUCHEN LIU

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PERSONAL STATEMENT

I'm good at working with others to build projects. My passions lie particularly in software engineering and web development. My goal is to work for an organization which provides me the challenges to improve my skills and a collaborative place with others.

WORK EXPERIENCE

Full Stack Developer Intern   1/2020 - 2/2020
Propcards, Inc

· Utilize multiple RESTful APIs and socket.io to achieve synchronization between users. Developed deep understanding in asynchronous programming and computer networks. Used Node.js to calculate rotation angles in 3D models and requests controlling.
· UI/UX design using HTML and CSS on sites running React.js. Learned React.js.
· Work and actively communicate with the employer to discuss the company's product details

PROJECTS

MoneyRelief (HackNYU hackathon project, UiPath Winner)
Worked on backend with AI models integration, blockchain management via Stellar's API, and user's data via Node.js and Express.js.

Coronavirus globe
https://github.com/yuchenliu15/coronavirus-globe
Use Google Cloud and other APIs to collect coronavirus cases and locations. Visualization via Three.js.

Trump's tweets sentiment analysis
Use Twitter API and Pandas to collect and organize data. Able to conclude Trump's sentiment toward centain topic and his crowd's reaction via Seaborn visualization, numpy, and VADER.

Color reading for blind people (MakeHarvard hackathon project)
Developed Arduino via C/C++ programming to calibrate the color sensor, ensure accurate conversion from unfiltered value to RGB and Hex value, and index the color spectrum.

SKILLS

Java, C Programming, HTML/CSS/JavaScript, Bootstrap4, Node.js, React.js, Python, LaTex

EDUCATION

NYU Courant Institute of Mathematical Sciences   *2019 - 2023*
CS and Data Science, BA
Relevant courses: Calculus 3, Data Structure, Discrete Math, Computer System Organization

CERTIFICATE

Java Programming: Solving Problems with Software (with Honors)   *Coursera*

Computer Network Technology (with Honors)   *Chinese University Mooc*