SERENA ZENG

Computer science student at Rutgers University interested in software development and emerging technologies

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EDUCATION BACKGROUND

Rutgers University Honors Program
Bachelor of Science in Computer Science Major, Business Administration Minor
Class of 2024 | 4.0 GPA
Past Coursework (2020-2021): Data Structures, Computer Architecture, Discrete Mathematics, Intro to Linear Algebra

EXPERIENCE

Device Technology Intern   Verizon | June 2021 - August 2021
Summer internship on the Global Network & Technology Team at Verizon

Intern   Junior Achievement of New Jersey | July 2020 - Present
Developed websites for organization's various programs; Maintain JANJ website backend through content management system; Technologies: ReactJS, JavaScript, Django, Python, REST APIs; Organized statewide STEM programs for middle to high school students

Project Lead & Software Architect   HackRU Research and Development | July 2020 - Present
Develop and maintain web application called MentorQ which connects hackathon attendees to mentors at Rutgers' biannual HackRU events; Created an administration web portal, user feedback feature, UI redesign, REST API integration; Technologies used: ReactJS, JavaScript, Redux, Material-UI, REST APIs, Django REST Framework, Jest

STEM Instructor & Curriculum Developer   Built By Me | June 2020 - Present

PROJECTS

MyBus - 2019 Congressional App Challenge Winner
June 2020 - Present
Developed MyBus, a product to enable wireless, web-based tracking of school buses, improving communication through the school bus system consisting of a trackerBox, mobile application and administration web portal. See following video presentation and article by NJ Representative Frank Pallone.
Technlogies used: HTML/CSS, JavaScript, Firebase, Bootstrap, Arduino Uno

MTPSHacks Website
Developed a website displaying 50+ project submissions for Marlboro Township public school district's middle school hackathon. This site is currently being distributed to parents, students, and organizations sponsoring the hackathon. View live site here.
Technologies used: ReactJS, JavaScript, Material-UI

Digital Portfolio
Developed a personal website. View live site here. Technologies used: ReactJS, JavaScript, Material-UI

CERTIFICATES

Machine Learning
Stanford University through Coursera
August 2020
View Certificate

Programming Foundations with JavaScript, HTML and CSS
Duke University through Coursera
August 2017
View Certificate

CS50: Introduction to Computer Science
Harvard University through edX
January 2020
View Certificate

SKILLS

Languages
- Java
- C
- JavaScript
- Python
- HTML/CSS

Tools
- Git & Github
- Postman
- Command Line
- Eclipse
- Visual Studio Code

Libraries & Frameworks
- ReactJS
- Bootstrap
- Material-UI

Others
- Public Speaking
- Project Management
- Teaching