SERENA ZENG

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

Mobile: (732)-474-7163
Email: srnazng@gmail.com
Website: https://serenazeng.herokuapp.com/
Linkedin: https://www.linkedin.com/in/serena-zeng-b57a37180
Github: https://github.com/srnazng

EDUCATION BACKGROUND

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

Middlesex County Academy for Science, Mathematics and Engineering Technologies
Electrical and Computer Engineering Track | Class of 2020
4.40/4.0 GPA
- Entrepreneurship Club Software Director
- Science Olympiad Captain and 6x medalist
- President of Bioengineering Club

EXPERIENCE

Web Development and Program Management Intern
Junior Achievement of New Jersey
July 2020 - Present
- Developed websites for organization's various programs
- Technologies: ReactJS, JavaScript, Django, Python, REST APIs
- Organized statewide STEM programs for middle to high school students

Project Lead & Software Developer
HackRU Research and Development
July 2020 - Present
- Develop and maintain web application connecting mentors to mentees for Rutgers' biannual hackathon
- Created an administration web portal, user feedback feature, user interface redesign
- Technologies used: ReactJS, JavaScript, Redux, Material-UI, REST APIs, Django REST Framework

STEM Instructor and Curriculum Development
Built By Me STEM Learning
June 2020 - Present
- Developed curriculum for online learning management system on topics including Game Design with Pygames and Scratch
- Taught regularly scheduled online coding classes

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
- 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