SERENA ZENG

Computer science student at Rutgers University interested in software development and machine learning

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
Class of 2024
Computer Science

Program for Algorithmic and Computational Thinking
Summer 2019
Studied undergraduate level discrete math and algorithms in a summer course taught by Dr. Rajiv Gandhi at Princeton University

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

EXPERIENCE

Intern at Junior Achievement of NJ
July 2020 – Present
- Internship under organization president
- Developed websites for organization initiatives
- Marketing
- Organized statewide technology programs for students

Instructor at Built By Me
June 2020 – Present
- Developed curriculum for online learning management system on topics including Game Design with Pygames and Scratch (https://lms.builtbyme.com/)
- Taught regularly scheduled online classes

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

PROJECTS

MyBus - Congressional App Challenge 2019 Winner
June 2020 – Present
Conceived and 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 hardware

HackRU Organizer | Frontend Web Developer for MentorQ
July 2020 – Present
Developed part of a web based system allowing hackathon attendees to connect with mentors. As a frontend developer, I worked with API integration, creating an administration web portal, feedback system, and redesigned the user interface.
Technolgoies used: React, Redux, Material-UI

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: React, Material-UI

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

SKILLS

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

Tools
- Git & Github
- Postman
- Command Line
- Canva
- Microsoft Office

Libraries & Frameworks
- React
- Bootstrap
- Material UI

Others
- Public Speaking
- Teaching