Roshaan Siddiqui

Portfolio: www.roshaansiddiqui.com

Contact Info

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773-971-5928

Education

Wesleyan University, Middletown, CT **| Class of 2022**
B.A. | Major: Computer Science **| GPA: 3.47**

Relevant Courses
Computational Media: Video Game Development
Vectors & Matrices
Discrete Mathematics
Data Structures and Algorithms (Fall 2020)

Skills
Languages: Python, JavaScript/TypeScript, C#, HTML/CSS, SML, Swift, SQL
Frameworks/Libraries: Ionic, Angular, TensorFlow, Hugo, Numpy, Pandas, Matplotlib
Tools: Unity3D, Xcode, Bash, Jupyter Notebook
Database: postgresSQL, Postman, mySQL, Firebase

Experiences

Quantitative Analysis Center — Middletown, CT
Audio Visual ML Teaching Apprentice — **August 2020 – Present**
- Held supplementary sessions for students to practice machine learning techniques on audio and image data
- Planned and taught two in-person lectures about machine learning topics to students taking the course

Wesleyan's Delta Lab — Middletown, CT
Software Developer & Data Analyst — **October 2019 – Present**
- Developed an intuitive video annotation web tool to crowdsource crucial training data from over 5,000 students
- Designed and developed a full-stack web application tool to intuitively explore live Facebook ad spending data

IDEAS Makerspace — Middletown, CT
Studio Assistant — **September 2019 – Present**
- Helped students with coursework specific tasks that utilize microprocessors, Matlab, and 3D modeling software
- Held workshops to teach students about laser cutters, 3D printers, and other power tools in the studio

MassVr — Chicago, IL
Software Engineering Intern — **June 2019 – August 2019**
- Collaborated with two software engineers to design and develop a scalable waiver authentication backend system
- Optimized Scala and JavaScript code in the main codebase and assisted in beta testing new VR maps

FIRST Robotics — Chicago, IL
Lead Programmer & Captain — **June 2012 – April 2018**
- Created robust autonomous programs that advanced the team to the World Championship in 2017

Leadership

YouthHack Connecticut — Middletown, CT
Vice President of Operations — **September 2018 – Present**
- Piloted a program for high school students to host entrepreneurial workshops and events at Wesleyan University
- Led coding and app design workshops for 70+ Connecticut high school students

Projects

EnergySkate (Unity3D, C#) Live View — **January 2020 – April 2020**
- Managed a team of four students to create a cross-platform game to teach kids about kinetic & potential energy
- Cultivated valuable skills in project management like project life cycle methodologies and utilizing Gannt charts

Facebook Ad Spending Visualization (Angular, HTML/CSS, TypeScript) Live View — **March 2020 – July 2020**
- Developed a visualization timeline tool to explore Facebook ad spending of presidential candidates across the US

Video Annotation Tool (Angular, HTML/CSS, TypeScript) Live View — **October 2019 – February 2020**
- Streamlined research lab's data-collection process by developing a web app tool used by hundreds of students

WesEvents (Ionic, HTML/CSS, TypeScript, Firebase) Live View — **Summer 2019**
- Independently developed a cross-platform solution for Wesleyan students to stay up-to-date with campus events
- Held numerous focus groups sessions to gather feedback on UI/UX

Interests: Travelling, Biking, Audio Books, Psychology, Digital Art