Syed Rizvi

(832)-643-9462 • asad5688@gmail.com • Houston, TX
GitHub: https://github.com/SyedA5688 • Personal: https://syedarizvi.com
LinkedIn: https://linkedin.com/in/syed-a-rizvi-01

EDUCATION

College of Natural Science and Mathematics, University of Houston, TX
Bachelor of Science in Computer Science   **May 2023**
Cumulative GPA: 3.97, Major GPA: 3.9

EXPERIENCE

HULA Research Laboratory, Houston, TX   **September 2020 - Present**
Machine Learning Research Assistant
- Submitted paper to MICCAI conference proposing novel set transformer-inspired architecture for case-level renal disease classification
- Delivered presentation on a novel case-level classification architecture to over 100 medical professionals at the AI in Nephropathology Workshop in Amsterdam 2021
- Developed custom medical image annotation interfaces allowing for fine-grained grid label application using React and the Labelbox JavaScript API
- Delivered presentation on custom labeling schemes using LabelBox platform to computer vision group at the University of Buffalo, NY
- Assisted in development of novel style initialization technique for smoothing out data distributions in nephropathology datasets using style transfer algorithms

Taipei Medical University, Taipei, Taiwan   **March 2021**
Data Analyst Intern (Remote Work)
- Preprocessed and merged wearable device data measurements taken from 18 Taiwanese patients
- Created correlation matrix and time series visualizations between physical activity, circulation, fatigue, and sleep measurements taken over 9 months
- Explored time-lag cross correlations among patient data

INDEPENDENT PROJECTS

Autoencoder Anomaly Detection   **August 2020**
- Machine learning model aimed at anomaly detection in environmental sensor datasets from Amazon's Seattle Sphere conservatories
- Placed 3rd in the AWS & NVIDIA Environmental Hackathon ($3000 award)
- Developed using Python, Pytorch, Jupyter Notebooks, and Amazon Sagemaker

TECHNICAL STRENGTHS

Programming Languages: Python, C++, JavaScript, Java, Octave, MATLAB
Libraries: Pytorch, Keras, Numpy, Pandas, Scikit-learn

HONORS AND AWARDS

Dean's Distinguished Scholars List, The University of Houston   **Fall 2019 – Fall 2020**

ACTIVITIES

Management Information Systems Student Organization   **January 2020 – Present**
Professional Development Committee
- Worked with a team of 20 committee members to perform 75 individual resume reviews following resume guidelines set by C.T. Bauer College of Business
- Delivered a presentation on IT candidate development during professional development workshop