

Taher Dohadwala

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Education

Purdue University

B.S APPLIED STATISTICS

- Minor in Computer Science, Entrepreneurship and Innovation

West Lafayette, IN

Graduating Dec. 2021

Skills

Languages: Python, SQL, Java, C
Frameworks: Keras, Tensorflow, TensorFlow Lite, TensorFlow Extended, Pytorch, Scikit-Learn, Pandas
Others AWS, Git, Unix, Docker

Experience

Collins Aerospace

MACHINE LEARNING ENGINEERING INTERN

Cedar Rapids, IA

Jun. 2020 - Aug. 2020

- Designed and developed a modular sandbox environment for simulating resource management of radio antennas.
- Applied statistical techniques to synthesize datasets to mimic real world scenarios.
- Trained reinforcement learning agents in TensorFlow, to achieve highest performance for resource management.
- Utilized gpu server and TensorFlow docker to train models.
- Presented findings to contribute to the efforts of securing funding for further exploration.

Nima Investments LLC

SOFTWARE ENGINEERING INTERN

Naperville, IL

Mar. 2020 - Jun. 2020

- Automated creating monthly summary reports that are sent to investors using Python.
- Reduced time spent manually creating reports by 70%.
- Developed a dashboard to display investor investment health status using Dash.

CAM2 Human Behavior Team

RESEARCH LEADER

West Lafayette, IN

Aug. 2019 - May. 2020

- Developed a re-identification system capable of identifying and re-identifying people across multiple cameras.
- Utilized a multi-granulated network that extracts features of a person to eliminate the need of storing identifiable information.
- Led development for a 2D mapping extension that condenses information into a map that displays the paths of each person across a timeline.

FirstEigen

INTERN

Naperville, IL

May. 2019 - Aug. 2019

- Integrated ML based data validation software into AWS.
- Published integrated software into the AWS marketplace

Purdue University DURi

RESEARCH LEADER

West Lafayette, IN

Aug. 2018 - Aug. 2019

- Analyzed and labeled 6000+ discussion forum comments to curate a dataset.
- Used to predict whether a comment has a significant impact to the discussion debate.

Projects

Serve buddy

- Developed a voice assistant AI serve coach to identify incorrect biomechanics.
- Integrated multi-class classification, pose estimation, and NLP models on edge devices.

Job Recommendation Platform

- Developed a “bring your own model” job search platform where users can label and train their own personalized recommendation model.
- The job search platform pulls job posting from multiple different job sites.
- Utilized transformer model as the base recommendation model.

Certifications

TensorFlow Developer, Machine Learning Engineering for Production Specialization, Deep Learning Specialization

Activities

Vice President of Club Tennis, Launchpad Mentor, Data Mine Cohort, AbbVie Externship