Taher Dohadwala

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Education

Purdue University   **West Lafayette, IN**
B.S Applied Statistics   *Graduating Dec. 2021*

- Minor in Computer Science, Entrepreneurship and Innovation

Certifications

- **TensorFlow Developer**
- **ML Engineering Specialization:** ML in Production, Data Life cycle, Modeling Pipelines, and Deploying ML Models
- **Deep Learning Specialization:** Deep Learning, Optimization, Structuring Projects, Convolutions, and Sequences

Skills

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

Experience

Collins Aerospace   **Cedar Rapids, IA**
Machine Learning Engineering Intern   *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   **Naperville, IL**
Software Engineering Intern   *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   **West Lafayette, IN**
Reserach Leader   *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   **Naperville, IL**
Intern   *May. 2019 - Aug. 2019*

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

Purdue University DURI   **West Lafayette, IN**
Research Leader   *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.

Activities

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