

# Taher Dohadwala

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## Education

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### Purdue University

B.S Applied Statistics

West Lafayette, IN

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

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**Languages:** Python, SQL, Java, C

**Frameworks:** TensorFlow, TensorFlow Lite, TensorFlow Extended, Keras, Pytorch, Scikit-Learn, Pandas

**Others** Git, Unix, AWS, Docker, DVC

## Experience

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### Collins Aerospace

Machine Learning Engineering Intern

Cedar Rapids, IA

Jun. 2020 - Aug. 2020

- Designed and developed a modular sandbox for simulating resource management of radio antennas
- Applied statistical techniques to synthesize datasets that 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 secure future funding and exploration

### Nima Investments LLC

Software Engineering Intern

Naperville, IL

Mar. 2020 - Jun. 2020

- Automated creation of investors monthly summary reports using Python
- Reduced time spent manually creating reports by 70%
- Created a dashboard to visualize investment health status

### CAM2 Human Behavior Team

Reserach Leader

West Lafayette, IN

Aug. 2019 - May. 2020

- Implemented an indoor system that identifies and re-identifies people across multiple cameras
- Incorporated a multi-granulated network to extract features of a person that eliminates storing identifiable information
- Managed development for a 2D mapping extension to visualize people's paths over time

### FirstEigen

Cloud Intern

Naperville, IL

May. 2019 - Aug. 2019

- Integrated data validation software into AWS and published to the Marketplace

### Purdue University DURi

Research Leader

West Lafayette, IN

Aug. 2018 - Aug. 2019

- Formulated a methodology to evaluate the significance of a comment in a discussion
- Labeled 6,000+ debate comments to curate a supervised learning dataset

## Projects

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### Serve Buddy

- Developed a virtual assistant tennis coach that adapts to your serve technique and identifies form mistakes to improve serve consistency
- Integrated an ensemble of multi-class classification, pose estimation, and natural language models on edge devices

### Job Recommendation Platform

- Created a job search platform where user-informed personalized models recommend relevant jobs
- Fine-tuned transformer models as the base recommendation model

## Activities

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