

George Mihaila

Data Scientist - Machine Learning Engineer

(302)-864-7518

georgemihaila@my.unt.edu

<http://gmihaila.github.io>

<https://www.linkedin.com/in/mihailageorge>



Experience

University of North Texas (UNT)
Research Information Technology
Denton, Texas
Sep 2018 - Present

Data Scientist – Machine Learning Engineer

- Data Science & Machine Learning support for UNT academic research projects.
- Server maintenance, IT support for UNT High Performance Computing (HPC).
- Install and maintain latest deep learning frameworks on HPC.
- Create and maintain code templates for parallel processing and GPU usage.

State Farm
Enterprise & Data Analytics
Dallas, Texas
May 2019 – July 2019

Machine Learning Engineer Intern

- Automated exploratory data analysis plots generation and red flag data anomalies.
- Automated building of baseline machine learning models.
- Built and deploy Python package for these automations.
- Help reduce machine learning models deployment time from 6 months to 3 weeks.

State Farm
Enterprise & Data Analytics
Bloomington, Illinois
May 2018 – August 2018

Data Scientist Intern

- Contribute on deep learning GPU models on Machine Learning Platform.
- Improved Deep Learning text models with state-of-the-art tools.
- Developed deep learning model from scratch for Optical Character Recognition (OCR) with over 75% accuracy using advanced training technique.
- Won the annual Hack Day with project involving machine learning, big data pipeline architecture, chatbot, OCR, fraud detection with savings of \$5 mil/year.

University of North Texas (UNT)
Department of Computer Science
Denton, Texas
Sep 2017 – May 2018

Teaching Assistant – Computer Science

- Computer Programming lab assistant, peer mentor and grader.
- Debugging code and assisting students in C/C++ programming projects.
- Grading coding assignments and exams.

University of North Texas (UNT)
Department of Computer Science
Denton, Texas
Jan 2017 - Present

Artificial Intelligence – Machine Learning Researcher

- Applying Deep Learning in Natural Language Processing (NLP).
- Main research project: General Purpose Dialogue Generation with Persona.
- Working with state-of-the-art NLP, Computer Vision, Deep Learning frameworks: TensorFlow, Keras, PyTorch and GPU tools.



Education

University of North Texas
Denton, Texas
May 2019- Present

PhD in Computer Science

GPA 4.0

- Focus on Natural Language Processing, Deep Generative Modeling, Companionable Robots, Persona Detection.

University of North Texas
Denton, Texas
May 2019

MS in Computer Science

- Specialized in Machine Learning, Natural Language Processing, Big Data, Data Mining, Computer Vision and Deep Reinforcement Learning.



Skills

Python

Docker

Keras, Tensor Flow

AWS, MySQL

PyTorch

Swift, Android

Hadoop, PySpark

R



Reference

Dr. Rodney D. Nielsen

Associate Professor - Director HiLT Lab
University of North Texas – Computer Science
Engineer

Phone: (940) 565-4879