George Mihaila

💼 Experience

Data Scientist - Machine Learning Engineer

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 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
Bloomington, Illinois
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
Sep 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
Sep 2017 - Present

PhD in Computer Science   **GPA 4.0**
- Specialized in Machine Learning, Natural Language Processing, Big Data, Data Mining, Computer Vision and Deep Reinforcement Learning.
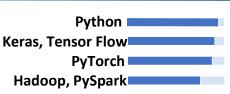
University
POLITEHNICA
Bucharest, Romania

Bachelors in Electrical Engineering
- Specialized in signal processing, power electronics and electric motor design.

🛠 Skills

- Python
- Keras, Tensor Flow
- PyTorch
- Hadoop, PySpark
- Docker
- AWS, MySQL
- Swift, Android
- R

👥 Reference

Dr. Rodney D. Nielsen
Associate Professor - Director HiLT Lab
University of North Texas – Computer Science
Engineer
Phone: (940) 565-4879

📇 Contact

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