JARED UCHEREK

jared.ucherek@gmail.com | 972-322-8975
jareducherek.github.io

EDUCATION

The University of Texas at Austin — Master of Science, Electrical and Computer Engineering — May 2021
Overall GPA: 3.81 / 4.00
Endowed ECE Fellowship – $3500/year

The University of Texas at Austin — Bachelor of Science, Electrical and Computer Engineering — May 2019
Overall GPA: 3.94 / 4.00
Honors Engineering Scholarship – $2500/year

Jesuit College Preparatory School of Dallas — May 2015

WORK EXPERIENCE

BCG Data Scientist — Summer 2021

Salesforce Data Science Intern — Summer 2020

- Implemented apparel object detector for future use in Ecommerce recommender system
- Developed a PyTorch CNN for active learning to specialize on 1 million customer catalog images

NVIDIA Data Science Intern — Summer 2019

- Developed baseline visualizations for benchmarking the speed of the RAPIDS suite
- Researched graph visualization techniques for millions of network timestamps

NVIDIA Software Engineer Intern — Summer 2018

- Implemented C++ system level Watchdog for nonstop monitoring of 50 IoT devices
- Designed Docker images to streamline software development setup for NVIDIA DeepStream SDK

RESEARCH EXPERIENCE

DICE Graduate Research Assistant — Fall 2019 – Present

- Applied machine learning research under Dr. Sriram Vishwanath
- Researched neural network interpretability, and machine learning applications in medicine

Dashboard Speed Detection — Fall 2020

- Applied Computer Vision research for Digital Image Processing course
- Utilized deep learning for accurate speed regression from raw dashboard video in a vehicle

RAPID Undergraduate Research Assistant — Spring 2018 – Spring 2019

- Data analysis work under Dr. Pradeep Ashok for real-time operation centers
- Published an NLP Paper to reduce workload through automated querying of daily driller memos

PUBLICATIONS

The Importance of Baseline Models in Sepsis Prediction – MLHC 2020 — Fall 2020

- Explored the MIMIC III open-source database for potential machine learning applications
- Developed baseline models competitive with black box neural networks used in similar publications

Auto-Suggestive Real-Time Classification of Driller Memos – IADC/SPE 2020 — Spring 2020

- Developed NLP models to classify drilling memos from 150 wells into 100 specified activities
- Proposed an active learning approach to help automate the workflow of drilling data entry

MISCELLANEOUS

Computer Languages: Advanced: Python, Java
Intermediate: C, C++, Unix