

JARED UCHEREK

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EDUCATION

The University of Texas at Austin	Master of Science, Electrical and Computer Engineering Current GPA: 3.78 / 4.00 Endowed ECE Fellowship – \$3500/year	May 2021
The University of Texas at Austin	Bachelor of Science, Electrical and Computer Engineering Overall GPA: 3.94 / 4.00 Honors Engineering Scholarship – \$2500/year	May 2019
Jesuit College Preparatory School of Dallas		May 2015

WORK EXPERIENCE

Salesforce Data Science Intern		Summer 2020
<ul style="list-style-type: none">Implemented apparel object detector for future use in Ecommerce recommender systemDeveloped a PyTorch CNN for active learning to specialize on 1 million customer catalog images		
NVIDIA Data Science Intern		Summer 2019
<ul style="list-style-type: none">Developed baseline visualizations for benchmarking the speed of the RAPIDS suiteResearched graph visualization techniques for millions of network timestamps		
NVIDIA Software Engineer Intern		Summer 2018
<ul style="list-style-type: none">Implemented C++ system level Watchdog for nonstop monitoring of 50 IoT devicesDesigned Docker images to streamline software development setup for NVIDIA DeepStream SDK		

RESEARCH EXPERIENCE

DICE Graduate Research Assistant		Fall 2019 – Present
<ul style="list-style-type: none">Applied machine learning research under Dr. Sriram VishwanathResearched neural network interpretability, and machine learning applications in medicine		
Dashboard Speed Detection		Fall 2020
<ul style="list-style-type: none">Applied Computer Vision research for Digital Image Processing courseUtilized deep learning for accurate speed regression from raw dashboard video in a vehicle		
RAPID Undergraduate Research Assistant		Spring 2018 – Spring 2019
<ul style="list-style-type: none">Data analysis work under Dr. Pradeep Ashok for real-time operation centersPublished an NLP Paper to reduce workload through automated querying of daily driller memos		

PUBLICATIONS

<i>The Importance of Baseline Models in Sepsis Prediction</i> – MLHC 2020	Fall 2020
<ul style="list-style-type: none">Explored the MIMIC III open-source database for potential machine learning applicationsDeveloped baseline models competitive with black box neural networks used in similar publications	
<i>Auto-Suggestive Real-Time Classification of Driller Memos</i> – IADC/SPE 2020	Spring 2020
<ul style="list-style-type: none">Developed NLP models to classify drilling memos from 150 wells into 100 specified activitiesProposed an active learning approach to help automate the workflow of drilling data entry	

MISCELLANEOUS

Computer Languages:	Advanced: Python, Java Intermediate: C, C++, Unix
Relevant Coursework:	Digital Video Processing, Digital Image Processing, Autonomous Robots, Combinatorial Optimization, Convex Optimization, Probability and Stochastic Processes