

# JARED UCHEREK

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## EDUCATION

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

## WORK EXPERIENCE

<b>Salesforce Data Science Intern</b>		Summer 2020
<ul style="list-style-type: none"><li>Implemented apparel object detector for future use in Ecommerce recommender system</li><li>Developed a PyTorch CNN for active learning to specialize on ~1 million customer catalog images</li></ul>		
<b>NVIDIA Data Science Intern</b>		Summer 2019
<ul style="list-style-type: none"><li>Worked in the Rapids group under AI Infrastructure, accelerating end-to-end data science</li><li>Developed baseline visualizations for benchmarking the speed of the RAPIDS suite</li></ul>		
<b>NVIDIA Software Engineer Intern</b>		Summer 2018
<ul style="list-style-type: none"><li>Implemented C++ system level Watchdog architecture for RabbitMQ applications</li><li>Designed Docker images to optimize deployment for NVIDIA DeepStream SDK</li></ul>		

## RESEARCH EXPERIENCE

<b>DICE Graduate Research Assistant</b>		Spring 2019 – Present
<ul style="list-style-type: none"><li>Applied machine learning research under Dr. Sriram Vishwanath</li><li>Researched neural network interpretability, and machine learning applications in medicine</li></ul>		
<b>RAPID Undergraduate Research Assistant</b>		Spring 2018 – Spring 2019
<ul style="list-style-type: none"><li>Data analysis work under Dr. Pradeep Ashok for real-time operation centers</li><li>Researched Natural Language Processing for automated querying</li></ul>		

## PUBLICATIONS

<b><i>The Importance of Baseline Models in Sepsis Prediction</i></b> – MLHC 2020	Fall 2020
<ul style="list-style-type: none"><li>Explored the MIMIC III open-source database for potential machine learning applications</li><li>Highlighted the drawbacks of black-box models for novel scenarios in the medical field</li></ul>	
<b><i>Auto-Suggestive Real-Time Classification of Driller Memos</i></b> – IADC/SPE 2020	Spring 2020
<ul style="list-style-type: none"><li>Developed NLP models to classify daily drilling memos into a variety of activities</li><li>Proposed an active learning approach to help automate the workflow of drilling data entry</li></ul>	

## MISCELLANEOUS

**Computer Languages:** Advanced: Python, Java  
Intermediate: C, C++, Linux

**Current Courses:** Digital Image Processing, Combinatorial Optimization, Advanced Probability

**Previous Relevant Courses:** Data Science Laboratory, Convex Optimization, Probability and Stochastic Processes