Leslie Rice

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Education

Carnegie Mellon University Pittsburgh, PA, *August 2018 - Present*
Ph.D. in Computer Science

The University of Texas at Austin Austin, TX, *August 2013 - May 2017*
B.S. in Computer Science
B.S. in Mathematical Sciences, Specialization in Statistics, Probability & Data Analysis

Research Experience

Carnegie Mellon University Pittsburgh, PA, *August 2018-Present*
Graduate Research Assistant (Advisor: J. Zico Kolter)
Research in adversarial training and neural architecture search.

The University of Texas at Austin Austin, TX, *August - December 2016*
Undergraduate Research Assistant (Advisor: Robert A. van de Geijn)
Researched practical, Strassen-like fast matrix multiplication algorithms and performance optimization for the k-nearest neighbors kernel.

Texas Institute for Computational Engineering and Sciences Austin, TX, *June - August 2016*
Moncrief Undergraduate Summer Research Intern (Advisor: Robert A. van de Geijn)
Researched dense matrix multiplication performance optimization using Strassen's algorithm.

Applied Research Laboratories at the University of Texas Austin, TX, *September 2014 - May 2015*
at Austin, *Undergraduate Research Assistant*, Space and Geophysics Lab
Developed anomaly detection algorithms for geospatial data.

Publications

Fast is better than free: Revisiting adversarial training
Eric Wong*, Leslie Rice*, J. Zico Kolter
International Conference on Learning Representations (ICLR) 2020
*Equal contribution

Generating Families of Practical Fast Matrix Multiplication Algorithms
Jianyu Huang, Leslie Rice, Devin A. Matthews, Robert A. van de Geijn
IEEE International Parallel & Distributed Processing Symposium (IPDPS) 2017

Performance Optimization for the K-Nearest Neighbors Kernel using Strassen's Algorithm
Leslie Rice
Undergraduate Honors Thesis, The University of Texas at Austin, 2017

Industry Experience

Uber Advanced Technologies Group, *Software Engineer* Pittsburgh, PA, *March 2017 - August 2018*
Developed web-based camera image labeling tools, built active learning system for image classification, and engineered autolabeling capabilities.

Able Lending, *Software Engineer* Austin, TX, *June 2015 - January 2016*
Built data science pipeline for finding small business customers, and developed internal and customer-facing software for managing small business loans.

Invited Talks

Implementing Strassen-Like Fast Matrix Multiplication Algorithms Austin, TX, *September 2016*
with BLIS (*with Jianyu Huang*), BLIS Retreat, The University of Texas at Austin

Teaching

Carnegie Mellon University, *Graduate Teaching Assistant* Pittsburgh, PA, *August - December 2018*
Practical Data Science (15-388/688)

The University of Texas at Austin, *Undergraduate Teaching Assistant* Austin, TX, *January - May 2016*
Principles of Computer Systems (CS-439)