

Swair Shah
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Education

University of Texas at Dallas , Richardson TX <i>PhD (Computer Science)</i>	Dec 2018 (Expected)
University of Texas at Dallas , Richardson TX <i>Master of Science (Computer Science)</i>	May 2016
DA-IICT , Gujarat, India <i>Bachelor of Technology (Information and Communication Technology)</i>	May 2012

Publications

- Computing Robust Principal Components by A* Search, ICTAI 2017. **S. Shah**, B. He, K. Xu, C. Maung, H. Schweitzer
- A Privacy Mechanism for Predictors, AAAI 2017. K. Xu, **S. Shah**, T. Cao, C. Maung, H. Schweitzer
- Cleaning the Null Space: A Privacy Mechanism for Predictors, AAAI 2017. K. Xu, T. Cao, **S. Shah**, C. Maung, H. Schweitzer
- Combinatorial Search Algorithms for Generalized Column Subset Selection under Unitarily Invariant Criteria. Under Review. **S. Shah**, K. Xu, B. He, C. Maung, H. Schweitzer

Work Experience

University of Texas at Dallas , Richardson, TX <i>Graduate Teaching Assistant</i>	Aug 2016 - Present
<ul style="list-style-type: none">• Design and Analysis of Algorithms - Fall 2017• Data Representation - Fall 2017• Machine Learning (includes Deep Learning) - Summer 2017, Fall 2016• Computer Vision (includes CNNs) - Spring 2017	
CS Outreach Program - University of Texas at Dallas , Richardson, TX <i>Lecturer (Python and Ruby)</i>	Summer 2014
<ul style="list-style-type: none">• Taught Python and Ruby workshops as a part of Pathway to Internship workshop series.	
Media.net , Mumbai, India <i>Developer, Operations</i>	July 2012 - Dec 2013
<ul style="list-style-type: none">• Developed server monitoring software for network and systems operations teams. Designed and implemented configuration management code-base written in Puppet, for AWS and collocated server infrastructure.	
KDE , Linux Desktop Environment <i>Google Summer of Code Student Developer</i>	Summer 2011

Professional and Technical Skills

Programming Languages: Python, Java, Matlab, R, Ruby

Machine Learning and Data Science Frameworks/Libraries: Numpy, Scikits-learn, Tensorflow

Relevant Online Coursework

Deep Learning Specialization - Coursera (Ongoing)
Machine Learning - Coursera
Computing for Data Analysis - Coursera