MALHAR JERE

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EDUCATION

University of California San Diego   *September 2017 - Present*
PhD student, Electrical and Computer Engineering Department
Specialization: Machine Learning and Data Science
Advisor: Farinaz Koushanfar

University of Illinois at Urbana Champaign   *August 2013 - May 2017*
BS in Electrical Engineering.

PROFESSIONAL EXPERIENCE

Google X Development LLC   *Summer of 2020*
Machine Learning Resident   *Mountain View, CA*

Intuit   *Summer of 2019*
Data Scientist Intern   *Mountain View, CA*

Google X Development LLC   *Summer of 2018*
Hardware Engineering Intern   *Mountain View, CA*

The Climate Corporation   *Summer of 2017*
Software Engineering Intern   *San Francisco, CA*

Motorola Solutions   *Summer of 2016*
Software Engineering Intern   *Schaumburg, IL*

PUBLICATIONS

1. **M Jere**, S Herbig, C Lind, F Koushanfar. "Principal Component Properties of Adversarial Samples". *AAAI-20 Workshop on Engineering Dependable and Secure Machine Learning Systems (EDSMLS)*, 2019.

2. **M Jere**, RK Raman, L Varshney. "The Eurekometric Connectome: Discovering unexplored areas of neuroscience research". *Int. School Conf. Net. Science (NetSci)*, 2017.

PREPRINTS

1. P Neekhara, S Hussain, **M Jere**, F Koushanfar, J McAuley. "Adversarial Deepfakes: Evaluating Vulnerability of Deepfake Detectors to Adversarial Examples".
   URL: *arxiv.org/abs/2002.12749*

2. **M Jere**, B Hitaj, G Ciocarlie, F Koushanfar. "Scratch that! An Evolution-based Adversarial Attack against Neural Networks".
   URL: *arxiv.org/abs/1912.02316.*

TEACHING EXPERIENCE

ECE 30: Introduction to Computer Engineering   *Fall 2019, Winter 2020*
Lead Teaching Assistant   *La Jolla, CA*

PROFESSIONAL SERVICE

Reviewer

- USENIX 2020

- NDSS 2020

- DAC 2020

- ICCAD 2020

- ACM CCS 2020

SKILLS

Software	Python, C/C++, SQL, MATLAB, x86, ARM, Git, LTSpice, AWS
Frameworks	TensorFlow, Keras, PyTorch, MXNet, OpenCV, Flask, AWS SageMaker