

MALHAR JERE

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EDUCATION

University of California San Diego

September 2017 - Present

MS in Computer Engineering

Specialization: Machine Learning and Data Science

University of Illinois at Urbana Champaign

August 2013 - May 2017

BS in Electrical Engineering.

PROFESSIONAL EXPERIENCE

Google X Development LLC

Summer of 2020

Software Engineering Intern

Mountain View, CA

Machine Learning Research on early-stage undisclosed project.

Intuit

Summer of 2019

Data Scientist Intern

Mountain View, CA

Generative neural networks for synthetic data generation.

The Climate Corporation

Summer of 2017

Software Engineering Intern

San Francisco, CA

Object recognition neural networks for autonomous farm robots.

Motorola Solutions

Summer of 2016

Software Engineering Intern

Schaumburg, IL

Custom functions for state-of-the-art Software defined radios.

SKILLS

Software

Python, C/C++, SQL, MATLAB, x86, ARM, Git, LTSpice, AWS

Frameworks

TensorFlow, Keras, PyTorch, JAX, MXNet, OpenCV, Flask, AWS SageMaker

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.
3. 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
4. **M Jere**, B Hitaj, G Ciocarlie, F Koushanfar. "Scratch that! An Evolution-based Adversarial Attack against Neural Networks".
URL: arxiv.org/abs/1912.02316.