

Rohan Chandra

SECOND YEAR PH.D. STUDENT IN COMPUTER SCIENCE

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Education

University of Maryland

PH.D. IN COMPUTER SCIENCE

M.S. IN COMPUTER SCIENCE

College Park, MD

2018 - Present

2016 - 2018

Delhi Technological University

B.TECH. IN ELECTRONICS ENGINEERING

New Delhi, India

2012 - 2016

Skills

Programming Tools Python, Matlab, LaTeX, Unix Shell Scripting.

Deep Learning PyTorch, Tensorflow

Video Editing/Design Adobe Premiere Pro

Web Design HTML5, Hugo, Jekyll, CSS

Honors & Awards

2020 **UMD Summer Research Fellowship**, \$5000

2018 **Quora Top Writer**, 684K views with 240 shares

Professional Service

2018-2020 **Reviewer**, CVIU'18, CVIU'19, CVIU'20, IJCAI'19, CoRL'19, CVPR'20, AAAI'20, ICRA'20, IROS'19, IROS'20, RAL'20.

2017-2019 **Committee Member**, UMD CS Graduate School Admissions

Publications (See Google Scholar for full list)

Forecasting Trajectory and Behavior of Road-Agents Using Spectral Clustering in Graph-LSTMs

ROHAN CHANDRA, TIANRUI GUAN, SRUJAN PANUGANTI, TRISHA MITTAL, UTTARAN BHATTACHARYA, ANIKET BERA, DINESH MANOCHA

Preprint 2020

Take an Emotion Walk: Perceiving Emotions from Gaits Using Hierarchical Attention Pooling and Affective Mapping

UTTARAN BHATTACHARYA, CHRISTIAN RONCAL, TRISHA MITTAL, ROHAN CHANDRA, ANIKET BERA, DINESH MANOCHA

Preprint 2020

GraphRQI: Classifying Driver Behaviors Using Graph Spectrums

ROHAN CHANDRA, UTTARAN BHATTACHARYA, TRISHA MITTAL, XIAOYU LI, ANIKET BERA, DINESH MANOCHA

ICRA 2020

RoadTrack: Tracking Road Agents in Dense and Heterogeneous Environments

ROHAN CHANDRA, UTTARAN BHATTACHARYA, TANMAY RANDHAVANE, ANIKET BERA, AND DINESH MANOCHA

ICRA 2020

M3ER: Multiplicative Multimodal Emotion Recognition Using Facial, Textual, and Speech Cues

TRISHA MITTAL, UTTARAN BHATTACHARYA, ROHAN CHANDRA, ANIKET BERA, DINESH MANOCHA

AAAI 2020 (Oral)

STEP: Spatial Temporal Graph Convolutional Networks for Emotion Perception from Gaits

UTTARAN BHATTACHARYA, TRISHA MITTAL, ROHAN CHANDRA, TANMAY RANDHAVANE, ANIKET BERA, DINESH MANOCHA

AAAI 2020 (Spotlight)

RobustTP: End-to-End Trajectory Prediction for Heterogeneous Road-Agents in Dense Traffic with Noisy Sensor Inputs

ROHAN CHANDRA, UTTARAN BHATTACHARYA, CHRISTIAN RONCAL, ANIKET BERA, DINESH MANOCHA

CSCS 2019 (Oral)

DensePeds: Pedestrian Tracking in Dense Crowds Using Front-RVO and Sparse Features

ROHAN CHANDRA, UTTARAN BHATTACHARYA, ANIKET BERA, AND DINESH MANOCHA

IROS 2019

TraPHic: Predicting Trajectories of Road-Agents in Dense and Heterogeneous Traffic

ROHAN CHANDRA, UTTARAN BHATTACHARYA, ANIKET BERA, AND DINESH MANOCHA

CVPR 2019

Teaching Experience

- 2018 **Teaching Assistant**, CMSC 250: Discrete Structures
- 2017 **Teaching Assistant**, CMSC 131 (Introduction to OOP in Java)
- 2016 **Teaching Assistant**, CMSC 417 (Computer Networks)

Other Achievements

“Multiply by 9”

- MAA 2016
- Invented a simple math formula, published as a short article in The College Mathematics Journal by the Mathematics Association of America.