Suraj Nair

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EDUCATION

Stanford University, Stanford, CA — 2018-Present
Ph.D. in Computer Science
Advisors: Chelsea Finn, Silvio Savarese

California Institute of Technology, Pasadena, CA — 2014-2018
Bachelor of Science in Computer Science — GPA: 3.9/4.0
Advisor: Yisong Yue

EXPERIENCE

Google Brain, Research Intern — 2018-2019
Stanford Vision and Learning Lab, Visiting Researcher — 2017
Vizzario, Inc., Machine Learning Consultant — 2017
Caltech DOLCIT, Student Researcher — 2016-2018
OpenFog Consortium, Caltech Representative — 2016-2018
General Electric, Current, Software Development Intern — 2016
KloudData, Inc., Software Engineering Intern — 2015

PUBLICATIONS & PREPRINTS

[8] **Suraj Nair**, Chelsea Finn. Hierarchical Foresight: Self-Supervised Learning of Long-Horizon Tasks via Visual Subgoal Generation. *International Conference on Learning Representations (ICLR)*. 2020.

[7] **Suraj Nair**, Yuke Zhu, Silvio Savarese, Li Fei-Fei. Causal Induction from Visual Observations for Goal Directed Tasks, *Workshop on Causal Machine Learning, Neural Information Processing Systems (NeurIPS)*. 2019.

[6] Sudeep Dasari, Frederik Ebert, Stephen Tian, **Suraj Nair**, Bernadette Bucher, Karl Schmeckpeper, Siddharth Singh, Sergey Levine, Chelsea Finn. RoboNet: Large-Scale Multi-Robot Learning, *Conference on Robot Learning (CoRL)*. 2019.

[5] De-An Huang*, **Suraj Nair***, Danfei Xu*, Yuke Zhu, Animesh Garg, Li Fei-Fei, Silvio Savarese, Juan Carlos Niebles. Neural Task Graphs: Generalizing to Unseen Tasks from a Single Video Demonstrations, *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. 2019.

[4] **Suraj Nair**, Mohammad Babaeizadeh, Chelsea Finn, Sergey Levine, Vikash Kumar. Time Reversal As Self-Supervision. *IEEE International Conference on Robotics and Automation (ICRA)*. 2020.

[3] Danfei Xu*, **Suraj Nair***, Yuke Zhu, Julian Gao, Animesh Garg, Li Fei-Fei, Silvio Savarese. Neural Task Programming: Learning to Generalize Across Hierarchical Tasks. *IEEE International Conference on Robotics and Automation (ICRA)*. 2018.

[2] Men-Andrin Meier, Zachary E Ross, Anshul Ramachandran, Ashwin Balakrishna, **Suraj Nair**, Peter Kundzicz, Zefeng Li, Jennifer Andrews, Egill Hauksson, Yisong Yue. Reliable RealTime Seismic Signal/Noise Discrimination With Machine Learning. *Journal of Geophysical Research: Solid Earth*. 2019.

[1] **Suraj Nair**, Anshul Ramachandran, Peter Kundzicz. Annotated Reconstruction of 3D Spaces Using Drones. *IEEE MIT URTC*. 2017. **Best Paper Presentation.**

TALKS

Time Reversal as Self-Supervision 2018
Berkeley Robotic Artificial Intelligence and Learning Lab.
Machine Learning: Applying Neural Networks in IoT Use Cases 2017
Internet of Things World Congress 2017

TEACHING

Teaching Assistant, Stanford University 2019
CS 330: Deep Multi-Task and Meta Learning
Teaching Assistant, California Institute of Technology 2017
CS/EE 155: Machine Learning/Data Mining
Teaching Assistant, California Institute of Technology 2016
CS 121: Introduction to Relational Databases

AWARDS & HONORS

National Science Foundation Graduate Research Fellowship 2018-2021
Best Paper Presentation - IEEE MIT URTC 2017
Caltech Summer Undergraduate Research Fellowship Recipient 2017
1^{st} Place GE Digital Intern Hackathon 2016

PROFESSIONAL ACTIVITIES

Paper Reviewing:
International Conference on Machine Learning (ICML) 2020
International Conference on Learning Representations (ICLR) 2019
IEEE International Conference on Robotics and Automation (ICRA) 2019
IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2019