

# Suraj Nair

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EDUCATION	<b>Stanford University</b> , Stanford, CA <i>Ph.D.</i> in Computer Science Advisors: Chelsea Finn, Silvio Savarese	2018-Present
	<b>California Institute of Technology</b> , Pasadena, CA <i>Bachelor of Science</i> in Computer Science Advisor: Yisong Yue	2014-2018 GPA: 3.9/4.0
EXPERIENCE	<b>Google Brain</b> , Research Intern	2018-2019
	<b>Stanford Vision and Learning Lab</b> , Visiting Researcher	2017
	<b>Vizzario, Inc.</b> , Machine Learning Consultant	2017
	<b>Caltech DOLCIT</b> , Student Researcher	2016-2018
	<b>OpenFog Consortium</b> , Caltech Representative	2016-2018
	<b>General Electric, Current</b> , Software Development Intern	2016
PUBLICATIONS & PREPRINTS	<b>KloudData, Inc.</b> , Software Engineering Intern	2015
	[9] <b>Suraj Nair</b> , Silvio Savarese, Chelsea Finn. Goal-Aware Prediction: Learning to Model What Matters. <i>International Conference on Machine Learning (ICML)</i> . 2020.	
	[8] <b>Suraj Nair</b> , Chelsea Finn. Hierarchical Foresight: Self-Supervised Learning of Long-Horizon Tasks via Visual Subgoal Generation. <i>International Conference on Learning Representations (ICLR)</i> . 2020.	
	[7] <b>Suraj Nair</b> , Mohammad Babaeizadeh, Chelsea Finn, Sergey Levine, Vikash Kumar. Time Reversal As Self-Supervision. <i>IEEE International Conference on Robotics and Automation (ICRA)</i> . 2020.	
	[6] <b>Suraj Nair</b> , Yuke Zhu, Silvio Savarese, Li Fei-Fei. Causal Induction from Visual Observations for Goal Directed Tasks, <i>Workshop on Causal Machine Learning, Neural Information Processing Systems (NeurIPS)</i> . 2019.	
	[5] Sudeep Dasari, Frederik Ebert, Stephen Tian, <b>Suraj Nair</b> , Bernadette Bucher, Karl Schmeckpeper, Siddharth Singh, Sergey Levine, Chelsea Finn. RoboNet: Large-Scale Multi-Robot Learning, <i>Conference on Robot Learning (CoRL)</i> . 2019.	
	[4] De-An Huang*, <b>Suraj Nair*</b> , 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, <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i> . 2019.	
	[3] Danfei Xu*, <b>Suraj Nair*</b> , Yuke Zhu, Julian Gao, Animesh Garg, Li Fei-Fei, Silvio Savarese. Neural Task Programming: Learning to Generalize Across Hierarchical Tasks. <i>IEEE International Conference on Robotics and Automation (ICRA)</i> . 2018.	
	[2] Men-Andrin Meier, Zachary E Ross, Anshul Ramachandran, Ashwin Balakrishna, <b>Suraj Nair</b> , Peter Kundzicz, Zefeng Li, Jennifer Andrews, Egill Hauksson, Yisong Yue. Reliable RealTime Seismic Signal/Noise Discrimination With Machine Learning. <i>Journal of Geophysical Research: Solid Earth</i> . 2019.	

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

<b>TALKS</b>	<b>Time Reversal as Self-Supervision</b>	2018
	Berkeley Robotic Artificial Intelligence and Learning Lab.	
	<b>Machine Learning: Applying Neural Networks in IoT Use Cases</b>	2017
	Internet of Things World Congress 2017	
<b>TEACHING</b>	<i>Teaching Assistant</i> , Stanford University	2019
	CS 330: Deep Multi-Task and Meta Learning	
	<i>Teaching Assistant</i> , California Institute of Technology	2017
	CS/EE 155: Machine Learning/Data Mining	
	<i>Teaching Assistant</i> , California Institute of Technology	2016
<b>AWARDS &amp; HONORS</b>	CS 121: Introduction to Relational Databases	
	National Science Foundation Graduate Research Fellowship	2018-2021
	Best Paper Presentation - IEEE MIT URTC	2017
	Caltech Summer Undergraduate Research Fellowship Recipient	2017
	1 <sup>st</sup> Place GE Digital Intern Hackathon	2016
<b>PROFESSIONAL ACTIVITIES</b>	<i>Paper Reviewing:</i>	
	Neural Information Processing Systems (NeurIPS) 2020	
	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	