



Wentao Yuan

Email: w yuan1@andrew.cmu.edu
Phone: (+1) 909 344 6601

Website: cs.cmu.edu/~w yuan1
GitHub: github.com/TonythePlaneswalker

INTERESTS	3D Deep Learning, Generative Models, Self-supervised Learning, Reinforcement Learning	
EDUCATION	Carnegie Mellon University , Pittsburgh, PA	Expected 2019
	<i>M.S. in Robotics</i> <ul style="list-style-type: none">• Advisor: Martial Hebert• Thesis Committee: Martial Hebert, David Held and Brian Okorn	
	Pomona College , Claremont, CA	2017
	<i>B.A. in Computer Science and Mathematics</i> <ul style="list-style-type: none">• Advisor: Vin de Silva• Thesis: <i>Functional Representation of Maps Between Shapes</i>• Highest Honors (<i>Summa Cum Laude</i>)	
PREPRINTS	Wentao Yuan , David Held, Christoph Mertz, Martial Hebert. Iterative Transformer Network for 3D Point Cloud. <i>arXiv preprint, arXiv:1811.11209</i> (in submission).	
PEER-REVIEWED PUBLICATIONS	Wentao Yuan , Tejas Khot, David Held, Christoph Mertz, Martial Hebert. PCN: Point Completion Network. In <i>IEEE International Conference on 3D Vision (3DV)</i> , Verona, Italy, 2018 (oral). Best Paper Honorable Mention .	
	Jeffery Rutledge*, Wentao Yuan* , Jane Wu, Zoe Wood, Timmy Gambin, Christopher Clark. Intelligent Shipwreck Search Using Autonomous Underwater Vehicles. In <i>IEEE International Conference on Robotics and Automation (ICRA)</i> , Brisbane, Australia, 2018. (* indicates equal contribution)	
RESEARCH EXPERIENCE	Robotics Institute , Carnegie Mellon University, Pittsburgh, PA	10/2017 – present
	<i>Graduate Research Assistant</i> <ul style="list-style-type: none">• Advisor: Martial Hebert• Working on deep learning architectures for 3D data understanding	
	LAIR , Harvey Mudd College, Claremont, CA	05/2017 – 08/2017
	<i>Undergraduate Research Assistant</i> <ul style="list-style-type: none">• Advisor: Chris Clark• Developed an autonomous robot system for identifying and ranking potential underwater archaeological sites from side-scan sonar images	
INDUSTRY EXPERIENCE	Google , New York, NY	05/2016 – 08/2016
	<i>Software Engineering Intern</i>	
	Google , Kirkland, WA	05/2015 – 08/2015
	<i>Engineering Practicum Intern</i>	
HONORS	3DV Best Paper Award, Honorable Mention	2018
	Phi Beta Kappa	2016
	Pomona College Scholar	2013 - 2017
	Vincent Learnihan Western Civilization Prize	2014
SKILLS	Programming Languages: Python, MATLAB, C++, C, R, Javascript, etc. Libraries: TensorFlow, PyTorch, OpenCV, scikit-learn, etc.	