

Kentaro Wada

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Date of birth: 31 January 1994 • Nationality: Japan • Location: London, UK

EDUCATION	Imperial College London		
	PhD in Computing	2018 – 2022	
	Supervisor: Prof. Andrew J. Davison		
	The University of Tokyo		
	MS in Information Science and Technology	2016 – 2018	
	BE in Mechano-Informatics	2012 – 2016	
	Supervisors: Prof. Masayuki Inaba, Prof. Kei Okada		
WORK EXPERIENCE	Corvus Robotics Inc. , San Francisco	2020 – 2021	
	Computer vision engineer for semantic segmentation (remote, part-time).		
	Donuts Co. Ltd. , Tokyo	2013 – 2014	
	Web system engineer (part-time).		
DISTINCTION	<i>Contributions to the Open Source Community</i>	2015 - 2022	
	Created popular software with 1-8k stars and 500-1000 daily traffics (e.g., Labelme , Gdown).		
	<i>PhD President's Scholarship of Imperial College London</i>	2018 – 2022	
	One of the fifty PhD students for the full funded scholarship.		
	<i>Two Patents on Object 6D Pose Estimation</i>	2021	
	Invented methods for 3D object-level scene understanding using vision sensors.		
	<i>IEEE Robotics and Automation Society Japan Joint Chapter Young Award at IROS 2018</i>	2018	
	One of the five Japanese students nominated with their conference papers.		
	<i>Lead the UTokyo Team at the Amazon Robotics Challenge</i>	2015 – 2017	
	Won the 5th place our of 16 teams in 2016. Mainly worked on the vision part.		
PUBLICATIONS	<ul style="list-style-type: none">▪ <i>Kentaro Wada</i>, Stephen James, and Andrew J. Davison, “ReorientBot: Learning Object Reorientation for Specific-Posed Placement”, IEEE International Conference on Robotics and Automation (ICRA), 2022. [Paper] [Video] [Webpage]▪ <i>Kentaro Wada</i>, Stephen James, and Andrew J. Davison, “SafePicking: Learning Safe Object Extraction via Object-Level Mapping”, IEEE International Conference on Robotics and Automation (ICRA), 2022. [Paper] [Video] [Webpage]▪ <i>Kentaro Wada</i>, Edgar Sucar, Stephen James, Daniel Lenton, and Andrew J. Davison, “MoreFusion: Multi-object Reasoning for 6D Pose Estimation from Volumetric Fusion”, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020. [Paper] [Video] [Webpage]▪ <i>Kentaro Wada</i>, Shingo Kitagawa, Kei Okada, and Masayuki Inaba, “Instance Segmentation of Visible and Occluded Regions for Finding and Picking Target from a Pile of Objects”, IEEE International Conference on Intelligent Robots and Systems (IROS), 2018. [Paper] [Video]		
	See more...		
	KEY SKILLS	<ul style="list-style-type: none">▪ Coding and software development with Python and C++ for GUI applications, command-line tools, deep learning, volumetric reconstruction, 2D/3D visualization, and physics simulation.▪ SLAM for 3D semantic scene understanding with expertise in object tracking, reconstruction, detection and pose estimation using onboard, moving vision sensors.▪ Real-time vision and robotic system building for 3D scene understanding and motion generation with expertise in integration using The Robot Operation System (ROS).	
INTERESTS	Deep Learning, 3D Computer Vision, Robotics		