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INTERESTS	Tracking Crowd Behavior Analysis	3D Object Understanding Person Re-identification
EDUCATION	National University of Singapore , Singapore Ph.D., Computer Science, Aug 2009 - Aug 2014 Amirkabir University of Technology (Tehran Polytechnic) , Tehran, Iran M.Sc., Computer Engineering, 2009 Sharif University of Technology , Tehran, Iran B.Sc., Computer Engineering, 2006	
WORK AND RESEARCH EXPERIENCE	Senior Applied Scientist Cruise , San Francisco, USA	2020 - present
	Senior Perception Engineer Aptiv , Pittsburgh, USA	2018 - 2020
	Senior Vision Scientist Autel Robotics, Pittsburgh, USA	2017 - 2018
	Postdoctoral Fellow Carnegie Mellon University, Pittsburgh, USA	2016 - 2017
	Postdoctoral Fellow Istituto Italiano di Tecnologia, Genova, Italy	2014 - 2016
	Research Intern CSIRO, Brisbane, Australia	2012 - 2013
	Research Assistant National University of Singapore, Singapore	2009 - 2014
SELECTED PUBLICATIONS	<ol style="list-style-type: none"> 1. C. Wang, H. Kiani, C-H. Lin, S. Lucey "Deep-LK for Efficient Adaptive Object Tracking." <i>ICRA</i>, 2018. 2. H. Kiani, A. Fagg, S. Lucey "Learning Background-Aware Correlation Filters for Object Tracking." <i>ICCV</i>, 2017. 3. H. Kiani, A. Fagg, C. Huang, D. Ramanan, S. Lucey "Need for Speed: A Benchmark for Higher Frame Rate Object Tracking." <i>ICCV</i>, 2017. 	

4. R. Zhu, **H. Kiani**, C. Wang, S. Lucey "Rethinking Reprojection: Closing the Loop for Pose-aware Shape Reconstruction from a Single Image." *ICCV*, 2017.
5. C. Kong, R. Zhu, **H. Kiani**, S. Lucey "Structure from Category: A Generic and Prior-less Approach." *3DV*, 2016.
6. S. Mohammadi, A. Perina, **H. Kiani**, V. Murino "Angry Crowds: Detecting Violent Events in Videos." *ECCV*, 2016.
7. **H. Kiani**, T. Sim, S. Lucey "Correlation Filters with Limited Boundaries." *CVPR*, 2015.
8. **Kiani, H.**, Sim, T., Lucey, S. "Multi-Channel Correlation Filters." *Proceeding of the International Conference on Computer Vision, ICCV'13*, 2013.

AWARDS AND HONORS

Awarded NUS Research Scholarship, 2009 - 2014.
 Ranked 20th among 400,000 Contestants in Iranian National Entrance Exam for B.Sc Studies, 2000.

PROTOTYPING DEVELOPMENT

Languages: C++, Python, MATLAB
Toolboxes: OpenCV, GitHub
Platforms: Mac OS X, Linux

REFERENCES

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