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INTERESTS	Visual Object Tracking Crowd Behavior Analysis Gesture Recognition (UAVs)	3D Object Understanding Person Re-identification Face Analysis
EDUCATION	<p>National University of Singapore, Singapore</p> <p>Ph.D., Computer Science, Aug 2009 - Aug 2014</p> <p>Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran</p> <p>M.Sc., Computer Engineering, 2009</p> <p>Sharif University of Technology, Tehran, Iran</p> <p>B.Sc., Computer Engineering, 2006</p>	
WORK AND RESEARCH EXPERIENCE	<p>Senior Perception Engineer Aptiv, Pittsburgh, USA</p> <p>Senior Vision Scientist Autel Robotics, Pittsburgh, USA</p> <p>Postdoctoral Fellow Carnegie Mellon University, Pittsburgh, USA</p> <p>Postdoctoral Fellow Istituto Italiano di Tecnologia, Genova, Italy</p> <p>Research Intern CSIRO, Brisbane, Australia</p> <p>Research Assistant National University of Singapore, Singapore</p>	<p>2018 - present</p> <p>2017 - 2018</p> <p>2016 - 2017</p> <p>2014 - 2016</p> <p>2012 - 2013</p> <p>2009 - 2014</p>
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. Anirban Chakraborty, Bappaditya Mandal and **H. Kiani**, " Person Re-identification Using Multiple First-Person-Views on Wearable Devices." *WACV*, 2016.
8. **H. Kiani**, T. Sim, S. Lucey "Correlation Filters with Limited Boundaries." *CVPR*, 2015.
9. **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: Python, C++, MATLAB
Toolboxes: OpenCV, PyTorch, Keras, VLFeat
Platforms: Mac OS X, Linux, AWS

REFERENCES

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