Boqing Gong, Ph.D.

CONTACT INFORMATION	Mailing address available upon request	☎ (407)801-3470 ✉ BoqingGo@outlook.com 🖥 http://boqinggong.info

EMPLOYMENT

Research Scientist   03/2019 – Now
Google

Principal Investigator   01/2018 – Now
International Computer Science Institute
University of California, Berkeley

Principal Researcher   01/2018 – 03/2019
Tencent AI Lab

Assistant Professor (tenure-track)   08/2015 – 12/2017
Graduate Faculty Member   08/2015 – Now
Department of Computer Science
University of Central Florida

Summer Research Assistant   06/2013 – 08/2013
Department of Media Analytics
NEC Laboratories America

Research Assistant   01/2008 – 06/2008
Visual Computing Group
Microsoft Research Asia

EDUCATION

University of Southern California, Los Angeles, California

Ph.D. in Computer Science   08/2011 – 08/2015

Thesis: Kernel Methods for Unsupervised Domain Adaptation

Thesis Committee: Fei Sha (supervisor), Gaurav Sukhatme, and Shrikanth Narayanan

University of Texas at Austin

Visiting Ph.D. Student in Computer Science   Summer, 2013

Host Professor: Kristen Grauman

The Chinese University of Hong Kong, Shatin, Hong Kong

M.Phil. in Information Engineering   08/2008 – 07/2010

Thesis: 3D Object Retrieval and Recognition

Thesis Advisors: Xiaoou Tang (primary), Jianzhuang Liu, and Xiaogang Wang

University of Science and Technology of China, Hefei, Anhui, China

B.E. in Electronic Engineering and Information Science   09/2004 – 07/2008

PUBLICATIONS   Statistics as of April 25th, 2020 according to Google Scholar:
Citations: 3903   h-index: 24   i10-index: 35   citations of (CVPR'12) [C4]: 1294

* students I (co-)supervised.   = equal contribution among authors.

INVITED BOOK CHAPTERS

[B2] **B. Gong**, K. Grauman, and F. Sha. "Geodesic Flow Kernel and Landmarks: Kernel Methods for Unsupervised Domain Adaptation." In *Domain Adaptation for Computer Vision Applications*, Springer Publishing, 2017.

[B1] C. Gan*, T. Yang, and **B. Gong**. "A Multi-Source Domain Generalization Approach to Visual Attribute Detection." In *Domain Adaptation for Computer Vision Applications*, Springer Publishing, 2017.

JOURNAL PUBLICATIONS

[J5] S. Changpinyo, W.-L. Chao, **B. Gong**, and F. Sha. "Classifier and Exemplar Synthesis for Zero-Shot Learning." *International Journal of Computer Vision* (**IJCV**), 2019.

[J4] Y. Zhang*, P. David, F. Hassan, and **B. Gong**. "A Curriculum Domain Adaptation Approach to the Semantic Segmentation of Urban Scenes." *IEEE Transactions on Pattern Analysis and Machine Intelligence* (**T-PAMI**), 2019.

[J3] A. Mazaheri*, **B. Gong**, and M. Shah. "Learning a Multi-Concept Video Retrieval Model with Multiple Latent Variables." *ACM Transactions on Multimedia Computing, Communications, and Applications* (**TOMM**), Vol. 14, Issue 2, May 2018.

[J2] **B. Gong**, K. Grauman, and F. Sha. "Learning Kernels for Unsupervised Domain Adaptation with Applications to Visual Object Recognition." *International Journal of Computer Vision* (**IJCV**), Vol. 109, Issue 1-2, pp. 3-27, August 2014. [Link]

[J1] **B. Gong**, J. Liu, X. Wang, and X. Tang. "Learning Semantic Signatures for 3D Object Retrieval." *IEEE Transactions on Multimedia* (**T-MM**), Vol. 5, Issue 2, pp. 369-377, February 2013.

PEER-REVIEWED CONFERENCE PUBLICATIONS

[C49] M. Jamal*, M. Brown, L. Wang, M.H. Yang, and **B. Gong**. "Rethinking Class-Balanced Methods for Long-Tailed Visual Recognition from a Domain Adaptation Perspective." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Seattle, WA, June 2020. (**Oral**)

[C48] D. Wang=, Y. Li=*, L. Wang, and **B. Gong**. "Neural Networks Are More Productive Teachers Than Human Raters: Active Mixup for Data-Efficient Knowledge Distillation from a Blackbox Model." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Seattle, WA, June 2020. (**Oral**)

[C47] Z. Liu=, Z. Miao=, X. Pan, X. Zhan, D. Lin, S. Yu, and **B. Gong**. "Open Compound Domain Adaptation." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Seattle, WA, June 2020. (**Oral**)

[C46] C. Xie, M. Tan, **B. Gong**, J. Wang, A. Yuille, and Q.V. Le. "Adversarial Examples Improve Image Recognition." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Seattle, WA, June 2020.

[C45] Y. Zhang=*, Z. Zhou=, P. David, X. Yue, Z. Xi, **B. Gong**, and H. Foroosh. "PolarNet: An Improved Grid Representation for Online LiDAR Point Clouds Semantic Segmentation." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Seattle, WA, June 2020.

[C44] R. Zhai, C. Dan, D. He, H. Zhang, **B. Gong**, P. Ravikumar, C.-J. Hsieh, and L. Wang. "MACER: Attack-free and Scalable Robust Training via Maximizing Certified Radius." *Proceedings of the International Conference on Learning Representations* (**ICLR**), Addis Ababa Ethiopia, April 2020.

[C43] C. Gan=, Y. Zhang=, J. Wu, **B. Gong**, and J. Tenenbaum. "Look, Listen, and Act: Towards Audio-Visual Embodied Navigation." *Proceedings of the International Conference on Robotics and Automation* (**ICRA**), Paris, France, June 2020.

[C42] Z. Yang, **B. Gong**, L. Wang, W. Huang, D. Yu, and J. Luo. "A Fast and Accurate One-Stage Approach to Visual Grounding." *Proceedings of the International Conference on Computer Vision* (**ICCV**), Seoul, Korea, October 2019. (**Oral**)

[C41] X. Yue, Y. Zhang, S. Zhao, A. Sangiovanni-Vincentelli, K. Keutzer, and **B. Gong**. "Domain Randomization and Pyramid Consistency: Simulation-to-Real Generalization without Accessing Target Domain Data." *Proceedings of the International Conference on Computer Vision* (**ICCV**), Seoul, Korea, October 2019.

[C40] Q. Lian, F. Lv, L. Duan, and **B. Gong**. "Constructing Self-motivated Pyramid Curriculums for Cross-Domain Semantic Segmentation: A Non-Adversarial Approach." *Proceedings of the International Conference on Computer Vision* (**ICCV**), Seoul, Korea, October 2019.

[C39] G. Shen, W. Huang, C. Gan, M. Tan, J. Huang, W. Zhu, and **B. Gong**. "Facial Image-to-Video Translation by a Hidden Affine Transformation." *Proceedings of the 27th ACM international conference on Multimedia* (**MM**), Nice, France, October 2019.

[C38] Y. Li*, L. Li, L. Wang, T. Zhang, and **B. Gong**. "NATTACK: Learning the Distributions of Adversarial Examples for an Improved Black-Box Attack." *Proceedings of the International Conference on Machine Learning* (**ICML**), Long Beach, CA, June 2019. (**Oral**)

[C37] Z. Liu, Z. Miao, X. Zhan, J. Wang, **B. Gong**, and S. Yu. "Large-scale Long-Tailed Recognition in an Open World." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Long Beach, CA, June 2019. (**Oral**)

[C36] J. Shi, J. Xu, **B. Gong**, and C. Xu. "Not All Frames Are Equal: Weakly-Supervised Video Grounding with Contextual Similarity and Visual Clustering Losses." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Long Beach, CA, June 2019.

[C35] X. Tang, **B. Gong**, Y. Yu, H. Yao, Y. Li, H. Xie, and X. Wang. "Joint Modeling of Dense and Incomplete Trajectories for Citywide Traffic Volume Inference." *Proceedings of The Web Conference* (**WWW**), San Francisco, CA, May 2019. (**Oral**)

[C34] Y. Zhang*, H. Foroosh, P. David, and **B. Gong**. "CAMOU: Learning Physical Vehicle Camouflages to Adversarially Attack Detectors in the Wild." *Proceedings of The International Conference on Learning Representations* (**ICLR**), New Orleans, LA, May 2019.

[C33] M. Fang, C. Zhou, B. Shi, **B. Gong**, J. Xu, and T. Zhang. "DHER: Hindsight Experience Replay for Dynamic Goals." *Proceedings of The International Conference on Learning Representations* (**ICLR**), New Orleans, LA, May 2019.

[C32] D. Zhu, Z. Lin, X. Wang, **B. Gong**, and T. Yang. "A Robust Zero-Sum Game Framework for Pool-based Active Learning." *Proceedings of The International Conference on Artificial Intelligence and Statistics* (**AISTATS**), Naha, Japan, April 2019.

[C31] L. Fan, W. Huang, C. Gan, J. Huang, and **B. Gong**. "Controllable Image-to-Video Translation: A Case Study on Facial Expression Generation." *Proceedings of The Thirty-Third AAAI Conference on Artificial Intelligence* (**AAAI**), Hawaii, January 2019. (**Oral**)

[C30] L. Li* and **B. Gong**. "End-to-End Video Captioning with Multitask Reinforcement Learning." *Proceedings of the IEEE Winter Conference on Applications of Computer Vision* (**WACV**), Hawaii, January 2019.

[C29] Z. He, **B. Gong**, and D. Fan. "Optimize Deep Convolutional Neural Network with Ternarized Weights and High Accuracy." *Proceedings of the IEEE Winter Conference on Applications of Computer Vision* (**WACV**), Hawaii, January 2019.

[C28] H. Hu=, L. Chen=, **B. Gong**, and F. Sha. "Synthesize Policies for Transfer and Adaptation across Environments and Tasks." *Proceedings of the Neural Information Processing Systems* (**NeurIPS**), Montreal, Canada, December 2018. (**Spotlight**)

[C27] Y. Li*, L. Wang, T. Yang, and **B. Gong**. "How Local is the Local Diversity? Reinforcing Sequential Determinantal Point Processes with Dynamic Ground Sets for Supervised Video Summarization." *Proceedings of the European Conference on Computer Vision* (**ECCV**), Munich, Germany, September 2018.

[C26] A. Sharghi*, A. Borji, C. Li, T. Yang, and **B. Gong**. "Improving Sequential Determinantal Point Processes for Supervised Video Summarization." *Proceedings of the European Conference on Computer Vision* (**ECCV**), Munich, Germany, September 2018.

[C25] MA. Jamal*, H. Li, and **B. Gong**. "Face Detector Adaptation without Negative Transfer or Catastrophic Forgetting." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Salt Lake City, Utah, June 2018.

[C24] L. Fan*=, W. Huang=, C. Gan, S. Ermon, **B. Gong**, and J. Huang. "End-to-End Learning of Motion Representation for Video Understanding." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Salt Lake City, Utah, June 2018. (**Spotlight**)

[C23] C. Gan*, **B. Gong**, H. Su, and L. Guibas. "Geometry-Guided CNN for Self-Supervised Video Representation Learning." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Salt Lake City, Utah, June 2018.

[C22] X. Wei*=, **B. Gong**=, Z. Liu, W. Lu, and L. Wang. "Improving the Improved Training of Wasserstein GANs: A Consistency Term and Its Dual Effect." *Proceedings of the International Conference on Learning Representations* (**ICLR**), Vancouver Canada, April 2018.

[C21] Y. Ding*, L. Wang, D. Fan, and **B. Gong**. "A Semi-Supervised Two-Stage Approach to Learning from Noisy Labels." *Proceedings of the IEEE Winter Conference on Applications of Computer Vision* (**WACV**), Lake Tahoe, NV, March 2018. (**Spotlight**)

[C20] Z. Yang*, **B. Gong**, and S. Narayanan. "Weighted Geodesic Flow Kernel for Interpersonal Mutual Influence Modeling and Emotion Recognition in Dyadic Interactions." *Proceedings of the International Conference on Affective Computing and Intelligent Interaction* (**ACII**), San Antonio, TX, October 2017. (**Oral**)

[C19] Y. Zhang*, P. David, and **B. Gong**. "Curriculum Domain Adaptation for Semantic Segmentation of Urban Scenes." *Proceedings of the IEEE International Conference on Computer Vision* (**ICCV**), Venice, Italy, October 2017.

[C18] C. Gan*, Y. Li*, H. Li, C. Sun, and **B. Gong**. "VQS: Linking Segmentations to Questions and Answers for Supervised Attention in VQA and Question-Focused Semantic Segmentation." *Proceedings of the IEEE International Conference on Computer Vision* (**ICCV**), Venice, Italy, October 2017.

[C17] A. Sharghi*, J. Laurel*, and **B. Gong**. "Query-Focused Video Summarization: Dataset, Evaluation, and A Memory Network Based Approach." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Honolulu, Hawaii, Jun. 2017.

[C16] M. Kalayeh*, **B. Gong**, and M. Shah. "Improving Facial Attribute Prediction using Semantic Segmentation." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Honolulu, Hawaii, Jun. 2017.

[C15] Z. Li*, **B. Gong**, and T. Yang. "Improved Dropout for Shallow and Deep Learning." *Proceedings of the Neural Information Processing Systems* (**NIPS**), Barcelona, Spain, Dec. 2016.

[C14] C. Gan*, C. Sun, L. Duan, and **B. Gong**. "Labeling-Free Video Recognition by Mutually Voting for Relevant Web Images and Web Video Frames." *Proceedings of the European Conference on Computer Vision* (**ECCV**), Amsterdam, Netherlands, Oct. 2016.

[C13] A. Sharghi*, **B. Gong**, and M. Shah. "Query-Focused Extractive Video Summarization." *Proceedings of the European Conference on Computer Vision* (**ECCV**), Amsterdam, Netherlands, Oct. 2016.

[C12] W-L. Chao=, S. Changpinyo=, **B. Gong**, and F. Sha. "An Empirical Study and Analysis of Generalized Zero-Shot Learning for Object Recognition in the Wild." *Proceedings of the European Conference on Computer Vision* (**ECCV**), Amsterdam, Netherlands, Oct. 2016. (**Spotlight**)

[C11] Y. Zhang*, **B. Gong**, and M. Shah. "Fast Zero-Shot Image Tagging." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Las Vegas, NV, Jun. 2016.

[C10] C. Gan*, T. Yang, and **B. Gong**. "Learning Attributes Equals Multi-Source Domain Generalization." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Las Vegas, NV, Jun. 2016. (**Spotlight**)

[C9] S. Changpinyo=, W. Chao=, **B. Gong**, and F. Sha. "Synthesized Classifiers for Zero-Shot Learning." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Las Vegas, NV, Jun. 2016. (**Oral**)

[C8] W. Chao=, **B. Gong**=, F. Sha, and K. Grauman. "Large-Margin Determinantal Point Processes." *Proceedings of the Conference on Uncertainty in Artificial Intelligence* (**UAI**), Amsterdam, Netherlands, July 2015. [Link]

[C7] **B. Gong**=, W. Chao=, K. Grauman, and F. Sha. "Diverse Sequential Subset Selection for Supervised Video Summarization." *Proceedings of the Neural Information Processing Systems* (**NIPS**), Montreal, Canada, Dec. 2014.

[C6] **B. Gong**, K. Grauman, and F. Sha. "Reshaping Visual Datasets for Domain Adaptation." *Proceedings of the Neural Information Processing Systems* (**NIPS**), Lake Tahoe, NV, Dec. 2013.

[C5] **B. Gong**, K. Grauman, and F. Sha. "Connecting the Dots with Landmarks: Discriminatively Learning Domain-Invariant Features for Unsupervised Domain Adaptation." *Proceedings of the International Conference on Machine Learning* (**ICML**), Atlanta, GA, Jun. 2013. (**Oral**)

[C4] **B. Gong**, Y. Shi, F. Sha, and K. Grauman. "Geodesic Flow Kernel for Unsupervised Domain Adaptation." *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (**CVPR**), Providence, RI, Jun. 2012. (**Oral**)

[C3] **B. Gong**, J. Liu, X. Wang, and X. Tang. "3D Object Retrieval with Semantic Attributes." *Proceedings of the 19th ACM international conference on Multimedia* (ACM **MM**), Scottsdale, Arizona, Dec. 2011. (`demo`)

[C2] **B. Gong**, C. Xu, J. Liu, and X. Tang. "Boosting 3D Object Retrieval by Object Flexibility". *Proceedings of the 17th ACM international conference on Multimedia* (ACM **MM**), Beijing, China, Oct. 2009.

[C1] **B. Gong**, Y. Wang, J. Liu, and X. Tang. "Automatic Facial Expression Recognition on a Single 3D Face by Exploring Shape Deformation". *Proceedings of the 17th ACM international conference on Multimedia* (ACM **MM**), Beijing, China, Oct. 2009.

Selected Peer-Reviewed Workshop Publications

[W2] A. Mazaheri*, B. Gong, and M. Shah. "Learning a Multi-Concept Video Retrieval Model with Multiple Latent Variables." *The 12th IEEE International Workshop on Multimedia Information Processing and Retrieval*, Dec. 2016.

[W1] **B. Gong**, F. Sha, and K. Grauman. "Overcoming Dataset Bias: An Unsupervised Domain Adaptation Approach." *The First International Workshop on Large Scale Visual Recognition and Retrieval* (BigVision) at NIPS, Lake Tahoe, NV, Dec. 2012. (**Oral**)

Grants

BIGDATA: IA: Distributed Semi-Supervised Training of Deep Models and Its Applications in Video Understanding

    Funding agency: **NSF** IIS-1741431   Role: Principal Investigator (PI)

    Amount: ($662,431+$42,500 AWS Credits)/3

    Duration: 09/2017 – 08/2020 (Transferred to ex-colleagues after joining Tencent)

    Significance: The first of its kind ever granted to the University of Central Florida

CRII: RI: Multi-Source Domain Generalization Approaches to Visual Attribute Detection

    Funding agency: **NSF** IIS-1566511   Role: Sole Principal Investigator (So-PI)

    Amount: $175,000

    Duration: 05/2016 – 04/2018

    Significance: The first of its kind ever granted to the University of Central Florida

Multiple-Modal Summarization of Videos and Photo Albums with User Input

    FutureWei Technologies Inc., So-PI, $100,000 (Declined)   07/2017

Face Detector Adaptation without Forgetting

    Adobe Research, So-PI, $10,000   05/2017

User-Guided Visual Analytics

    Adobe Research, So-PI, $7,000   10/2016

Collaborative Research: Florida-IT-Pathways to Success (Flit-Path)

    NSF DUE-1643965, Co-PI   10/2016 – 12/2017

TEACHING
EXPERIENCES

CAP 4453: Robot Vision
    Fall 2016, Number of students: 64, Student rating: 3.90/5 (Department median: 3.81)
    Fall 2017 (fully online), Number of students: 30, rating: **4.29/5** (Department median: 3.82)

CAP 6412: Advanced Computer Vision
    Spring 2016, Number of students: 18, rating: **4.10/5** (Department median: 3.85)

INVITED TALKS

Long-Tailed Visual Recognition is A Domain Adaptation Problem
Google Research Conference	02/26/2020
IEEE CVPR 2020 Area Chair Workshop	01/24/2020

$\mathcal{N}$ATTACK by Learning the Distributions of Adversarial Examples
Vision and Learning Seminar (VALSE)	09/25/2019
CVPR Workshop on GigaVision	06/17/2019
Waymo	06/05/2019
Department of Computer Science, UC Davis	05/17/2019

Sequential Determinantal Point Processes: Models, Algorithms, and Applications
CVPR Tutorial on Recent Advances in Visual Data Summarization	06/16/2019

Curriculum Domain Adaptation
IEEE BIGDATA Workshop on Big Data Transfer Learning	12/10/2018

The Multiple Shades of Dropout for Discriminative and Generative Deep Neural Networks
INFORMS Special Session on Stochastic Optimization Methods and Approximation Theory in Machine Learning	11/04/2018

Domain Adaptation and Transfer: All You Need to Use Simulation "for Real"
    ECCV Workshop on Visual Learning and Embodied Agents in Simulation Environments 09/09/2018

Learning and Adapting from the Web for Visual Recognition
ECCV Workshop on Compact and Efficient Feature Representation and Learning in Computer Vision	09/09/2018
CVPR Workshop on Visual Understanding by Learning from Web Data	06/18/2018

Domain Adaptation for Robust Visual Recognition and Semantic Segmentation
Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences	04/02/2018
Shenzhen University	03/26/2018
International Computer Science Institute, UC Berkeley	12/08/2017
Beijing University of Posts and Telecommunications	11/06/2017
Department of Electrical Engineering, UC Santa Cruz	10/25/2017
Google Research at Mountain View	09/20/2017
Department of Media Analytics, NEC Laboratories America	05/08/2017
NVIDIA Research	06/08/2017

Sequential Determinantal Point Processes and Variations for Supervised Video Summarization

Department of Computer Science, Stanford University	03/20/2017
Adobe Systems Inc.	03/30/2017
Facebook Inc.	06/07/2017
University of California at Berkeley	08/24/2017

Domain Adaptation for Human Activity Detection, Recognition, and Summarization

Army Research Office / Information Science Institute Workshop on Multi-Modal Data Analysis for Human Activity Detection and Understanding	09/13/2016

Query-Focused Extractive Video Summarization via Determinantal Point Processes

Electrical Engineering and Computer Sciences, Univ. California at Berkeley	09/21/2017
Department of Computer Science, University of California at Irvine	07/08/2016
Snapchat Inc.	08/18/2016

Kernel Methods for Unsupervised Domain Adaptation

Information Science Institute, University of Southern California	12/11/2015
Department of Computer Science, Tulane University	04/23/2015
Department of Machine Learning, NEC Laboratories America	04/09/2015
Department of EECS, University of Central Florida	04/07/2015
School of Computing, Informatics, and Decision Systems Engineering, ASU	04/02/2015
IBM T.J. Watson Research Center (colloquium)	01/15/2015
ECCV Workshop on TASK-CV	09/12/2014

Reshaping Datasets for Unsupervised Domain Adaptation

IEEE ICDM Workshop on Practical Transfer Learning	11/14/2015

Sequential Determinantal Point Process: Modeling the Diverse and Sequential Properties in Video Summarization

Department of EECS, University of Central Florida	07/08/2015

Discriminative Kernel Learning for Unsupervised Domain Adaptation

Machine Learning and Instrument Autonomy Group, JPL, NASA	01/09/2014

ACADEMIC &
PROFESSIONAL
SERVICES

National Science Foundation (NSF) panelist: three panels in 2016, one in 2017, one in 2019, and two in 2020

Tutorial chair of IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2022

Senior area chair / meta-reviewer of

Association for the Advancement of Artificial Intelligence Conference (AAAI)	2020

Area chair / senior program committee member of

IEEE Conference on Computer Vision and Pattern Recognition (CVPR)	2020
European Conference on Computer Vision (ECCV)	2020
Neural Information Processing Systems (NeurIPS)	2019 – 2020
IEEE International Conference on Computer Vision (ICCV)	2019
IEEE Winter Conference on Applications of Computer Vision (WACV)	2018 – 2020
International Conference on Machine Learning (ICML)	2019 – 2020

International Conference on Artificial Intelligence and Statistics (AISTATS)   2019

Reviewer of

    Neural Information Processing Systems (NeurIPS)   2014 –

    International Conference on Machine Learning (ICML)   2015 –

    IEEE Conference on Computer Vision and Pattern Recognition (CVPR)   2013 –

    European Conference on Computer Vision (ECCV)   2014 –

    IEEE International Conference on Computer Vision (ICCV)   2013 –

    Conference on Artificial Intelligence and Statistics (AISTATS)   2017 –

    International Conference on Learning Representations (ICLR)   2017 –

    Asian Conference on Computer Vision (ACCV)   2016 –

    The British Machine Vision Conference (BMVC)   2017 –

    Journal of Machine Learning Research (JMLR)

    Springer International Journal of Computer Vision (IJCV)

    IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI)

    IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)

    IEEE Transactions on Image Processing (T-IP)

    IEEE Transactions on Multimedia (T-MM)

    Springer Machine Learning

    Artificial Intelligence

    IET Computer Vision

    Elsevier Waste Management

    ACM Transactions on Multimedia (ACM TOMM)

Program co-chair of

    CVPR Workshop on Multi-Modal Learning from Videos   2019

Program committee member of

    Association for the Advancement of Artificial Intelligence Conference (AAAI),   2015, 2017

    International Joint Conference on Artificial Intelligence (IJCAI),   2015, 2016

    IEEE ICDM 2015 Workshop on Practical Transfer Learning

    ECCV 2016 Workshop on Transferring and Adapting Source Knowledge in Computer Vision

Mentor of the Ph.D. Forum of IEEE WACV   2018

DEPARTMENTAL SERVICES		
Faculty Search Committee		2017 – 2018
Awards Committee of the College of Engineering and Computer Science		2017 – 2018
CRCV Research Associate Search Committee		2016
Nielsen Fellowship Search Committee		2016

STUDENTS

Ph.D. students:

Yang Zhang	08/2015 – 12/2017; co-supervised with Hassan Foroosh, 2018 – 2020	
Aidean Sharghi	08/2015 – 12/2017	
Abdullah Jamal	01/2016 – 12/2017; co-supervised with Liqiang Wang, 01/2018 – present	

Yifan Ding	01/2016 – 12/2017; co-supervised with Liqiang Wang, 01/2018 – present
Yandong Li	08/2017 – 12/2017; co-supervised with Liqiang Wang, 01/2018 – present
Samer Iskander (teaching assistant, co-supervise with Dr. Niels Lobo)	01/2016 – 05/2016

Remote Ph.D. student at Tsinghua University, China:

| Chuang Gan | 08/2015 – 01/2018 |

Master students:

Fareeha Irfan (Google Lime Scholarship and research/teaching assistant)	08/2015 – 08/2017
Suhas Nithyanand (directed research)	08/2016 – 12/2016
Rohan Singh Rajput (independent study)	08/2016 – 12/2016

Defense and candidacy committee member for

Yang Zhang (Ph.D., University of Central Florida)	2020
Maryam Jaberi (Ph.D., University of Central Florida)	2018
Dustin Morley (Ph.D., University of Central Florida)	2018
Uzair Tariq (Master, University of Central Florida)	2017
Hong Zhang (Ph.D., University of Central Florida)	2017
Kenneth Thompson (Ph.D., University of Central Florida)	2016

Undergraduate students:

Adam Vest, Univ. of Louisville (NSF Research Experiences for Undergraduates (REU))	2017
Geraldine Versfeld, University of Central Florida (NSF REU)	2017
Truman Thames, Fayetteville State University UNC (NSF REU)	2017
Jacob Scott Laurel, University of Alabama at Birmingham (NSF REU)	2016
Kylie McCarty, University of Central Florida (NSF REU)	2016
Kevin Duarte, University of Central Florida (NSF REU)	2016
Michael Lopez (undergraduate research program)	Spring 2016
Adam Albright, University of Central Florida (senior design)	2016 – 2017
Qiang Li, University of Central Florida (senior design)	2016 – 2017
Kyle Ferguson, University of Central Florida (senior design)	2016 – 2017

SELECTED HONORS AND AWARDS

⋆ Tencent Senior VP's Star Award	2018
⋆ NSF Award: CRII #1566511	2016 – 2018
⋆ NSF Award: BIGDATA #1741431	2017 – 2020
⋆ IEEE CVPR 2017 Outstanding Reviewer	2017
⋆ Viterbi School of Engineering Doctoral Fellowship	2011 – 2015