Mengmi ZHANG

Email : a0091624@gmail.comLab website: Deep NeuroCognition Lab Google Scholar, Twitter

Nanyang Ave, N3-02c-89, College of Computing and Data Science, NTU, Singapore, 639798

Research Interests: neuroscience-inspired AI, computer vision computational neuroscience, cognitive science

EDUCATION

EDUCATION	
National University of Singapore • Ph.D. in Electrical and Computer Engineering; GPA: 3.70/4.0 Thesis Advisors: Shih-Cheng Yen, Joo Hwee Lim, Jiashi Feng, Qi Zhao, Gabriel Kreiman	Singapore Aug, 2015 - Jan, 2019
 Harvard Medical School, Children's Hospital Visiting Ph.D. student Advisor: Gabriel Kreiman 	MA, USA Aug, 2017 - Sep, 2018
National University of Singapore ■ BEng in Electrical and Computer Engineering (1st Class Honors); GPA: 3.86/4.0 Dean's List (top 5% of the cohort) for ALL Academic Years	Singapore Aug, 2011 - Jul, 2015
University of California, Santa Barbara • Visiting undergraduate; GPA: 4.0/4.0 Dean's Honors Award	CA, USA Jan, 2014 - Apr, 2014
Work Experience	
Nanyang Technological University (NTU) • Tenure-track Nanyang assistant professor College of Computing and Data Science	Singapore Nov, 2023 - Present
Agency for Science, Technology and Research (A*STAR) • Principal scientist and principal investigator in Institute for Infocomm Research Early career investigator in Center for Frontier of AI Research (CFAR)	Singapore Sep, 2021 - Apr, 2025 May, 2022 - Jan, 2024
Harvard-MIT Center for Brains, Minds and Machines • Research fellow in Harvard Medical School, Children's Hospital Advisor: Gabriel Kreiman	MA, USA Jun, 2019 - Aug, 2021
Grants	
Startup Grant (0.3 million SGD equivalent to 220k USD) Nanyang Technological University (NTU), Singapore	Nov, 2023 - present
Singapore NRF Fellowship (3 million SGD equivalent to 2.18 million USD) • National Research Foundation (NRF), Singapore as prestigious as NSF Career Award and NIH RO1 in the USA	Apr, 2023 - present
Startup Grant (0.5 million SGD equivalent to 370k USD) Agency for Science, Technology and Research (A*STAR), Singapore	Jan, 2021 - Mar, 2023
• CONFIRMA Grant (1.5 million SGD equivalent to 1.1 million USD) • Agency for Science, Technology and Research (A*STAR), Singapore	Apr, 2023 - Apr, 2025
• AISG Research Grant (1 million SGD equivalent to 740k USD) National Research Foundation (NRF) AI Singapore, Singapore	Apr, 2022 - Mar, 2025
• Early Career Investigatorship (0.25 million SGD equivalent to 180k USD) Center for Frontier AI Research (CFAR), A*STAR, Singapore	May, 2022 - Apr, 2024

Astar Graduate Scholarship and Postdoctoral Fellowship Agency for Science, Technology and Research, Singapore	2015 - 2021
Harvard Brain Initiative Young Scientist Development Scholarship Harvard Brain Science Initiative, Harvard University, MA, USA	(with Farahnaz Ahmed Wick) $April, 2018$
University of Tokyo Summer Research Program Scholarship University of Tokyo, Tokyo, Japan	May, 2014 - Jul, 2014
NUS and Ministry of Education Undergraduate Scholarship National University of Singapore, Singapore	Aug, 2011 - Jul, 2015
Awards	
Singapore 100 Women in Tech Singapore Computer Society	2023
Semi-finalist for MIT Technology Review Innovators Under 35 MIT Technology Review	2022
Semi-finalist for the Reachout Science Slam (12 NSF science and tec Museum of Science, Boston, MA, USA	chnology centers)
Championship Award and Theory of Flight Award Singapore Amazing Flying Machine Competition, Singapore	2015
Faculty of Engineering 29th Innovation and Research Award (Merit National University of Singapore, Singapore	Award) 2015
Best Presentation Award The 5th International Conference on Networking and Information Technology, Singape	ore 2014
Mentorship	
• PhD students	
 Soumick Sarker: Nanyang Technological University, Singapore Dakshesh Gusain: Nanyang Technological University, Singapore Siddhant Dutta: Nanyang Technological University, Singapore Zhengquan Zhang: Nanyang Technological University, Singapore Cathy Yusen Cai: Nanyang Technological University, Singapore Yanhao Jia: Nanyang Technological University, Singapore Yang Shen: Nanyang Technological University, Singapore Shuangpeng Han: Nanyang Technological University, Singapore Ziyu Wang: National University of Singapore Maytus Piriyajitakonkij: University of Manchester, UK Xu Wu: Nanyang Technological University, Singapore Weronika Hryniewska-Guzik: Nanyang Technological University, Singapore Bo Wang: Nanyang Technological University, Singapore Bo Wang: Nanyang Technological University, Singapore Zhengyang Jin: Nanyang Technological University, Singapore Morgan B. Talbot: Harvard Medical School, USA Spandan Madan: Harvard University, USA Zhangjie Wu: National University of Singapore, Singapore Zhiwei Ding: Baylor College of Medicine, USA 	Aug, 2025 - present Aug, 2025 - present Aug, 2025 - present Nov, 2024 - present Aug, 2024 - present Aug, 2024 - present Aug, 2024 - present Aug, 2023 - present Aug, 2023 - present Aug, 2023 - present Sep, 2023 - present Sep, 2023 - present Apr, 2024 - Apr, 2025 gapore Oct, 2024 - Dec, 2024 Sep, 2023 - Apr, 2025 Sep, 2023 - Sep, 2024 Aug, 2023 - Nov, 2023 fall, 2021 - spring, 2022 fall, 2021 - spring, 2022 summer, 2021
• Master students	
 Xiao Liu: National University of Singapore, Singapore Xuezhe Ren: Singapore Management University, Singapore Philipp Bomatter: ETH Zürich, Switzerland Shashi Kant Gupta: Indian Institute of Technology, India 	Jun, 2022 - Sep, 2022 Jan, 2022 - Dec, 2022 fall, 2020 - spring, 2021 summer, 2019 - spring, 2021

• College students

 Yong Jian Ng: Nanyang Technological University, Singapore Yongjian Huang: Nanyang Technological University, Singapore S Jivaganesh: Nanyang Technological University, Singapore Dingwei Tan: Nanyang Technological University, Singapore Bryan Atista Kiely: Nanyang Technological University, Singapore Mingzhong Sun: Nanyang Technological University, Singapore May, 2024 - Oct May, 2024 - Aug Sarmarth Verma: National University of Singapore, Singapore Narain Aakansha: National University of Singapore, Singapore Matthias Koh: National University of Singapore, Singapore Li You: University of Wisconsin, Madison, USA Arshika Lalan: Birla Institute of Technology and Science, India Rushikesh Zawar: Birla Institute of Technology and Science, India Dimitar Karev: Harvard University, USA Rohil Badkundri: Harvard University, USA Jan, 2022 - Nov. fall, 2021 - summer fall, 2021 - spring fall, 2020 - spring fall, 2020 - spring 	1, 2025 2, 2024 2, 2024 2, 2024 2, 2023 2, 2023 2, 2022 2, 2022 2, 2022 2, 2022 2, 2021 2, 2020 2,
- Leonard Tang: Harvard University, USA summer, 2019 - spring	, 2020 , 2021
- Cameron Rivera: University of Wisconsin, Madison, USA summer	
- Karla Montejo : Florida International University, USA summer	*
- Joseph Kwon : Yale University, USA summer	, 2018
Junior College students	
 Ren Jie Tee: Hwa Chong Institution, Singapore Aurelia Azifa Chelfannisa: Victoria Junior College, Singapore Mabel Neoh Jia Ying: Hwa Chong Institution, Singapore Tay Wen Hwee Elena: Hwa Chong Institution, Singapore 	2-2024 2022 2022 2021
Research engineers	
 Vinayaka R Kamath: Agency for Science, Technology and Research (A*STAR) Nov, 2023 - Modeline Parantak Singh: Agency for Science, Technology and Research (A*STAR) Naitik Khandelwal: Agency for Science, Technology and Research (A*STAR) Oct, 2022 - Juni Ankur Sikarwar: Agency for Science, Technology and Research (A*STAR) Oct, 2022 - Juni Xiao Liu: Agency for Science, Technology and Research (A*STAR) Sep, 2022 - Juni 	; 2024 ; 2024 !, 2024
Research scientists and postdoctoral fellows	
 Zenglin Shi: Agency for Science, Technology and Research (A*STAR) Shui'Er Han: Agency for Science, Technology and Research (A*STAR) Qing Lin: Nanyang Technological University, Singapore Weicheng Tao: Nanyang Technological University, Singapore Nov, 2024 - p 	, 2025 present
Awards to Mentees	
Best Poster Award at NTU Researchers' Day in Singapore Qing Lin from Nanyang Technological University, Singapore	2025
Global Winner at Global Undergraduate Awards (GUA) for his Final Year Project Ng Yong Jian from Nanyang Technological University, Singapore	2025
Best Paper Award at Singapore Intelligence, Robotics and Control Symposium Shuangpeng Han from Nanyang Technological University, Singapore	2025
Silver Award at Research Fair	
Aurelia Azifa Chelfannisa from Victoria Junior College, Singapore	2023
Fujitsu Laboratories Fellowship for MIT-Harvard Centre for Brains, Minds and Machines Ankur Sikarwar from Agency for Science, Technology and Research (A*STAR)	2023

Where Mentees Go Next		
• PhD student at Mila and University of Montreal, Canada Ankur Sikarwar (former research engineer)	2024	
Master student at Carnegie Mellon University, USA Naitik Khandelwal (former research engineer)	2024	
Professor at Hefei University of Technology, China Zenglin Shi (former research scientist)	2023	
College student at University of Wisconsin-Madison, USA Li You (former junior college student)	2022	
Data scientist at OCBC Bank, Singapore Xuezhe Ren (former master student)	2022	
Teaching		
SC5002: AI Fundamentals and Applications Nanyang Technological University, Singapore	Faculty Lecturer and Course Coordinator fall, 2024; fall, 2025	
SC1005: Digital Logic	Faculty Lab Assistant	

Nanyang Technological University, Singapore fall, 2024; fall, 2025

SC2103: Digital Systems Design Faculty Teaching Assistant Nanyang Technological University, Singapore spring, 2023-2024

Center for Brains, Minds and Machines Summer Course Head Teaching Assistant MIT. Boston. USA summers, 2020 - 2025

Neuro 140 and 240: Biological and Artificial Intelligence Head Teaching Assistant Harvard University, Boston, USA spring, 2020

EE4302: Advanced Control System Teaching Assistant National University of Singapore, Singapore summer, 2016

ACADEMIC ACTIVITIES

Reviewers for Conferences: ACM Multimedia (ACMMM); Neural Information Processing Systems (NeurIPS); Conference on Association for the Advancement of Artificial Intelligence (AAAI); The International Conference on Learning Representations (ICLR); The IEEE Computer Vision and Pattern Recognition Conference (CVPR); The International Conference on Computer Vision (ICCV); The IEEE/CVF Winter Conference on Applications of Computer Vision (WACV): European Conference on Computer Vision (ECCV)

Reviewers for Journals: IEEE Transactions on Image Processing (TIP); Sensors; Proceedings of the National Academy of Sciences of the United States of America (PNAS); IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI); Journal of Artificial Intelligence Research (JAIR); IEEE Transactions on Medical Imaging (TMI); Nature Machine Intelligence; PLoS Computational Biology

Editors for Journals: Vision Research - Special Issue on Mathematical and Computational Models in Vision;

Chairs and Organizers for Conferences and Workshops

- Area Chair in International Conference on Learning Representations (ICLR), 2026
- Workshop Organizer in International Conference on Computer Vision (ICCV), 2025
- Area Chair in Neural Information Processing Systems (NeurIPS), 2025
- Area Chair in International Conference on Machine Learning (ICML), 2025
- Workshop Organizer in Conference on Computer Vision and Pattern Recognition (CVPR), 2025
- Area Chair in International Conference on Learning Representations (ICLR), 2025
- Conference Organizer in the 16th Asia Pacific Conference on Vision (APCV), 2024
- Workshop Organizer in European Conference on Computer Vision (ECCV), 2024
- Area Chair in Neural Information Processing Systems (NeurIPS), 2024

- Publication Chair in IEEE Conference on Artificial Intelligence (IEEE CAI), 2024
- Area Chair in International Conference on Learning Representations (ICLR), 2024
- Area Chair in Neural Information Processing Systems (NeurIPS), 2023
- Track Chair in AAAI Conference on Artificial Intelligence Symposium (AAAI symposium), 2023

Memberships: IEEE; Singapore Computer Society; IEEE Computational Intelligence Society

Grant Reviewers

- AI3 HTCO Seed Fund from Agency for Science, Technology and Research (A*STAR), Singapore, 2022
- LEARN Grant and Innovation Award from Nanyang Technological University, Singapore, 2023

OTHER SERVICES

Women In Tech (WIT) WOMENtors Summit

Nanyang Technological University, Singapore

Jun, 2024-Aug, 2024

Ministry of Education (MOE) H3 Research Program

Hwa Chong Institution and Victoria Junior College, Singapore

May, 2022-Feb, 2023

Ministry of Education (MOE) Scientist-in-School Program

Millennia Institute, Singapore

Jan, 2022-Feb, 2023

A*STAR Junior College Student Attachment Program

Hwa Chong Institution, Singapore

Nov, 2021-Dec, 2021

INVITED TALKS

- Talk at APNSC and Hong Kong Student Association of Neuroscience Conference, Hong Kong, China, 2025 (virtual)
- Talk at sfN.SG Neuroscience & Artificial Intelligence Mini Symposium in conjunction with ICLR, Singapore, 2025
- Talk at Intelligence, Robotics and Control Symposium, Singapore, 2025
- Talk at Human-inspired Computer Vision Workshop in European Conference on Computer Vision (ECCV), Italy, 2024
- Talk at **IIT** (Istituto Italiano di Tecnologia), Genova, Italy, 2024
- Talk at Serre Lab in **Brown** University, Providence, USA, 2024
- Talk at Visual Search and Attention Workshop in Nanyang Technological University, Singapore, 2024
- Talk at Asian Advanced Workshop on Social Decision Making and Collective Intelligence in Tokyo, Japan, 2023
- Talk at Research Seminar Series (school-level), **Beijing Jiaotong** University, China, 2023
- Talk at School of Social Sciences Research Cluster, Nanyang Technological University, Singapore, 2023
- Talk at AAAI symposium on embodied social intelligence, Singapore, 2023
- Talk at Singapore Vision Day, National University of Singapore, 2023
- Talk at Institute for AI and Beyond, University of Tokyo, Japan, 2023
- Talk at Artificial Intelligence Research Centre (AIRC) of AIST, Tokyo, Japan, 2023
- Talk at Center for Advanced Intelligence Project (AIP) at RIKEN, Tokyo, Japan, 2023
- Talk at Science of Intelligence, Technical University Berlin, Germany, 2022 (virtual)
- Talks at Harvard-MIT Center for Brains, Minds, and Machines, USA, 2019-2021
- Talk at **Pengcheng Lab** at Shenzhen, China, 2019
- Talk at Wolfe Lab, Harvard Medical School and Brigham & Women's Hospital, Boston, USA, 2018

Works in Progress

- [1] Peering into the Unknown: Active View Selection with Neural Uncertainty Maps for 3D Reconstruction Zhengquan Zhang, Feng Xu, **Mengmi Zhang** under review, 2025
- [2] From Grunts to Grammar: Emergent Language from Cooperative Foraging

 Maytus Piriyajitakonkij, Rujikorn Charakorn, Weicheng Tao, Wei Pan, Mingfei Sun, Cheston Tan, Mengmi

 Zhang

 under review. 2025
- [3] The other you in Black Mirror: first steps from chatbots to personalized LLM clones *Mingzhong Sun*, *Mengmi Zhang*, *Gabriel Kreiman* under review, 2025
- [4] Unforgettable Lessons from Forgettable Images: Intra-Class Memorability Matters in Computer Vision Tasks Jie Jing, Qing Lin, Shuangpeng Han, Lucia Schiatti, Yen-Ling Kuo, **Mengmi Zhang** under review, 2024
- [5] Unsupervised Prior Learning: Discovering Categorical Pose Priors from Videos Ziyu Wang, Shuangpeng Han, Mike Zheng Shou, Mengmi Zhang under review, 2024
- [6] TTA-Nav: Test-time Adaptive Reconstruction for Point-Goal Navigation under Visual Corruptions Maytus Piriyajitakonkij, Mingfei Sun, Mengmi Zhang, Wei Pan under review, 2024
- [7] Reason from Context with Self-supervised Learning

 Xiao Liu, Ankur Sikarwar, Joo Hwee Lim, Gabriel Kreiman, Zenglin Shi, Mengmi Zhang

 under review, 2023
- [8] Human or Machine? Turing Tests for Vision and Language

 Mengmi Zhang, Giorgia Dellaferrera, Ankur Sikarwar, Marcelo Armendariz, Noga Mudrik, Prachi Agrawal,
 Spandan Madan, Andrei Barbu, Haochen Yang, Tanishq Kumar, Meghna Sadwani, Stella Dellaferrera,
 Michele Pizzochero, Hanspeter Pfister, Gabriel Kreiman

 under review, 2023
- [9] Efficient Zero-shot Visual Search via Target and Context-aware Transformer Zhiwei Ding, Xuezhe Ren, Erwan David, Melissa Vo, Gabriel Kreiman, Mengmi Zhang under review, 2023
- [10] On the utility of the human visual diet in enabling generalization to real-world transformations Spandan Madan, Li You, Mengmi Zhang, Hanspeter Pfister, Gabriel Kreiman under review, 2023

Publications in Major Conferences, Journals, and Books

- [1] Seeing Sound, Hearing Sight: Uncovering Modality Bias and Conflict of AI models in Sound Localization Yanhao Jia, Ji Xie, S Jivaganesh, Hao Li, Xu Wu, Mengmi Zhang
 Conference on Neural Information Processing Systems (NeurIPS), 2025 (Spotlight)
- [2] Make Me Happier: Evoking Emotions Through Image Diffusion Models
 Qing Lin, Jingfeng Zhang, Yew Soon Ong, Mengmi Zhang
 International Conference on Computer Vision (ICCV), 2025
 Best poster award at Nanyang Technological University Researchers' Day in Singapore, 2025
- [3] Unveiling AI's Blind Spots: An Oracle for In-Domain, Out-of-Domain, and Adversarial Errors Shuangpeng Han, Mengmi Zhang
 International Conference on Machine Learning (ICML), 2025

- [4] Unveiling the Tapestry: the Interplay of Generalization and Forgetting in Continual Learning Zenglin Shi, Jie Jing, Ying Sun, Joo Hwee Lim, Mengmi Zhang
 IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2025, (impact factor: 14.3)
- [5] Gazing at Rewards: Eye Movements as a Lens into Human and AI Decision-Making in Hybrid Visual Foraging Bo Wang, Dingwei Tan, Yen-Ling Kuo, Zhaowei Sun, Jeremy M. Wolfe, Tat-Jen Cham, Mengmi Zhang IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2025
 Featured in MIT Technology Review
- [6] Flow Snapshot Neurons in Action: Deep Neural Networks Generalize to Biological Motion Perception Shuangpeng Han, Ziyu Wang, Mengmi Zhang Conference on Neural Information Processing Systems (NeurIPS), 2024 Best paper award at Singapore Intelligence, Robotics and Control Symposium, 2025
- [7] Adaptive Visual Scene Understanding: Incremental Learning in Scene Graph Generation Naitik Khandlewal, Xiao Liu, Mengmi Zhang Conference on Neural Information Processing Systems (NeurIPS), 2024
- [8] Tuned Compositional Feature Replays for Efficient Stream Learning

 Morgan B. Talbot*, Rushikesh Zawar*, Rohil Badkundri, Mengmi Zhang#, Gabriel Kreiman# (* equal
 contribution; # co-corresponding)

 IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2023, (impact factor: 14.3)
- [9] Object-centric Learning with Cyclic Walks between Parts and Whole Ziyu Wang, Mike Zheng Shou, Mengmi Zhang Conference on Neural Information Processing Systems (NeurIPS), 2023
- [10] Decoding the Enigma: Benchmarking Humans and AIs on the Many Facets of Working Memory Ankur Sikarwar, Mengmi Zhang Conference on Neural Information Processing Systems (NeurIPS), 2023
- [11] Training-free Object Counting with Prompts

 Zenglin Shi, Ying Sun, Mengmi Zhang

 IEEE Winter Conference on Applications of Computer Vision (WACV), 2023
- [12] Learning to Learn: How to Continuously Teach Humans and Machines

 Parantak Singh, You Li, Ankur Sikarwar, Weixian Lei, Daniel Gao, Morgan Bruce Talbot, Ying Sun, Mike

 Zheng Shou, Gabriel Kreiman, Mengmi Zhang

 International Conference on Computer Vision (ICCV), 2023
- [13] Label-efficient Online Continual Object Detection in Streaming Video

 Jay Zhangjie Wu, David Junhao Zhang, Wynne Hsu, Mengmi Zhang, Mike Zheng Shou

 International Conference on Computer Vision (ICCV), 2023
- [14] Symbolic Replay: Scene Graph as Prompt for Continual Learning on VQA Task

 Stan Weixian Lei, Difei Gao, Jay Zhangjie Wu, Yuxuan Wang, Wei Liu, Mengmi Zhang, Mike Zheng Shou

 AAAI Conference on Artificial Intelligence (AAAI), 2023 (oral presentation)
- [15] Look Twice: A Generalist Computational Model Predicts Return Fixations across Tasks and Species Mengmi Zhang*, Marcelo Armendariz*, Will Xiao, Olivia Rose, Katarina Bendtz, Margaret Livingstone, Carlos Ponce, Gabriel Kreiman (* equal contribution) PLOS Computational Biology, 2022 (impact factor: 4.8)
- [16] Artificial Intelligence and Vision

 Will Xiao, Mengmi Zhang, Gabriel Kreiman

 Free will, philosophers and neuroscientists in conversation, Oxford University Press, (Book Chapter), 2021

- [17] Visual Search Asymmetry: Deep Nets and Humans Share Similar Inherent Biases Shashi Kant Gupta, **Mengmi Zhang**, Chia-Chien Wu, Jeremy M. Wolfe, Gabriel Kreiman Conference on Neural Information Processing Systems (NeurIPS), 2021
- [18] Beauty is in the eye of the machine
 Mengmi Zhang, Gabriel Kreiman
 Nature Human Behavior, 2021 (impact factor: 12.28)
- [19] When Pigs Fly: Contextual Reasoning in Synthetic and Natural Scenes Philipp Bomatter*, Mengmi Zhang*, Dimitar Karev, Spandan Madan, Claire Tseng, Gabriel Kreiman (* equal contribution) International Conference on Computer Vision (ICCV), 2021
- [20] Putting Visual Object Recognition in Context
 Mengmi Zhang, Claire Tseng, Gabriel Kreiman
 IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020
- [21] Anticipating Where People Will Look Using Adversarial Networks

 Mengmi Zhang, Keng Teck Ma, Joo Hwee Lim, Qi Zhao, Jiashi Feng

 IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2018 (impact factor:18)
- [22] Finding any Waldo with zero-shot invariant and efficient visual search Mengmi Zhang, Jiashi Feng, Keng Teck Ma, Joo Hwee Lim, Qi Zhao, and Gabriel Kreiman Nature Communications, 2018 (impact factor: 12.4) PhysOrg
- [23] Egocentric Spatial Memory

 Mengmi Zhang, Keng Teck Ma, Shih-Cheng Yen, Joo Hwee Lim, Qi Zhao, and Jiashi Feng

 International Conference on Intelligent Robots and Systems (IROS), 2018
- [24] Deep Future Gaze: Gaze Anticipation on Egocentric Videos Using Adversarial Networks Mengmi Zhang, Keng Teck Ma, Joo Hwee Lim, Qi Zhao, Jiashi Feng IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017 (oral presentation)

Other Publications (workshops, symposiums, and pre-prints)

- [1] Improving out-of-distribution generalization by mimicking the human visual diet Spandan Madan, You Li, Mengmi Zhang, Hanspeter Pfister, Gabriel Kreiman Conference on Neural Information Processing Systems Workshop (NeurIPS workshop), 2024
- [2] Object-Centric Temporal Consistency via Conditional Autoregressive Inductive Biases

 Cristian Meo, Akihiro Nakano, Mircea Lică, Aniket Didolkar, Masahiro Suzuki, Anirudh Goyal, Mengmi

 Zhang, Justin Dauwels, Yutaka Matsuo, Yoshua Bengio

 Conference on Neural Information Processing Systems Workshop (NeurIPS workshop), 2024
- [3] Integrating Curricula with Replays: Its Effects on Continual Learning Ren Jie Tee, Mengmi Zhang
 AAAI Conference on Artificial Intelligence Symposium (AAAI symposium), 2023
- [4] What am I Searching for: Zero-shot Target Identity Inference in Visual Search Mengmi Zhang, Gabriel Kreiman IEEE Conference on Computer Vision and Pattern Recognition (CVPR workshop), 2020
- [5] Variational Prototype Replays for Continual Learning

 Mengmi Zhang, Tao Wang, Joo Hwee Lim, Gabriel Kreiman, Jiashi Feng

 https://arxiv.org/pdf/1905.09447.pdf, 2020 (on arxiv; citations: 30)
- [6] Lift-the-flap: what, where and when matter for context reasoning *Mengmi Zhang*, Claire Tseng, Karla Montejo, Joseph Kwon, Gabriel Kreiman https://arxiv.org/abs/1902.00163, 2019 (on arxiv)

- [7] Foveated Neural Network: Gaze Prediction on Egocentric Videos Mengmi Zhang, Keng Teck Ma, Joo Hwee Lim, Qi Zhao IEEE International Conference on Image Processing (ICIP), 2017
- [8] A High Fidelity Simulator for a Quadrotor UAV using ROS and Gazebo Mengmi Zhang, Hailong Qin, Menglu Lan, Jiaxin Lin, Shuai Wang, Kaijun Liu, Feng Lin, Ben M. Chen Annual Conference of the IEEE Industrial Electronics Society (IECON), 2015
- [9] Vision-based Detection and Pose Estimation for Formation of Micro Aerial Vehicles
 Mengmi Zhang, Feng Lin., Ben M. Chen
 IEEE Interational Conference on Control, Automation, Robotics and Vision Conference (ICARCV), 2014

Referees

• Gabriel Kreiman

- Full professor
- Department of Ophthalmology, Harvard Medical School, MA, USA
- Harvard-MIT Center for Brains, Minds and Machines (CBMM), MA, USA
- Email: Gabriel.Kreiman@childrens.harvard.edu
- PhD and Postdoc advisor

2017 - 2021

• Joo Hwee Lim

- Principal research scientist and department head of Visual Intelligence
- Institute for Infocomm Research, Agency for Science, Technology and Research (A*STAR), Singapore
- Email : joohwee@i2r.a-star.edu.sg
- PhD advisor and current employer

2015 - 2019, 2021 - 2025

• Jiashi Feng

- Research scientist and former assistant professor
- ByteDance, Singapore
- Department of Electrical and Computer Engineering, National University of Singapore, Singapore
- Email: jshfeng@gmail.com
- PhD advisor 2015 2019

• Jeremy M. Wolfe

- Full Professor
- Department of Ophthalmology, Harvard Medical School, MA, USA
- Email: jwolfe@bwh.harvard.edu
- $-\,$ Research project collaborator and mentor

2018 - 2021

• Tomaso Poggio

- Full Professor
- Department of Brain and Cognitive Sciences, MIT, MA, USA
- Harvard-MIT Center for Brains, Minds and Machines (CBMM), MA, USA
- Email: tp@csail.mit.edu
- Colleague and mentor in CBMM

2015 - 2021

• Boris Katz

- Principal research scientist and head of the InfoLab Group
- Computer Science and Artificial Intelligence Laboratory (CSAIL), MIT, MA, USA
- Harvard-MIT Center for Brains, Minds and Machines (CBMM), MA, USA
- Email : boris@mit.edu
- Colleague in CBMM 2019 2021