

# LEHAN YANG

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## EDUCATION

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**The University of Sydney** (Bachelor of Advanced Computing) **Aug 2020 - Now**

## EXPERIENCE

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**Vision and Learning Lab @ University of California Merced** Jun 2023 - Now  
*Visiting Scholar*

**School of Computer Science @ USyd** Feb 2023 - Now  
*Casual Academic (U.S. Teaching Assistant) (part-time casual)*

**Multimedia Laboratory @ USyd** Jun 2022 - Now  
*Research Assistant (part-time casual)*

**Data Science Institute @ UTS** Mar 2022 - Now  
*Research Assistant (part-time casual)*

**Multimedia Laboratory @ USyd** Jun 2021 - Jun 2022  
*Undergrad Research (volunteer)*

**John Hopcroft Lab @ HUST** Jan 2019 - Sep 2019  
*Research Intern (unofficial)*

## PUBLICATIONS

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\* indicates equal contributions

[1] **Lu Qi\***, **Lehan Yang\***, Weidong Guo, Yu Xu, Bo Du, Varun Jampani, Ming-Hsuan Yang. “UniGS: Unified Representation for Image Generation and Segmentation” . Under Review.

[2] **Lu Qi\***, **Yi-Wen Chen\***, **Lehan Yang\***, Tiancheng SHEN, Xiangtai Li, Weidong Guo, Yu Xu, Ming-Hsuan Yang. “Generalizable Entity Grounding via Assistance of Large Language Model” . Under Review.

[3] Ancuti, Codruta et al. (incl. **Yang, Lehan**) “NTIRE 2023 HR NonHomogeneous Dehazing Challenge Report” . 2023 IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshops (2023): 1808-1824.

[4] **Lehan Yang**, Jincen Song. Rethinking the Knowledge Distillation From the Perspective of Model Calibration. arXiv:2111.01684 [cs.CV], 2021.

[5] **Lehan Yang**, Kele Xu. Cross Modality Knowledge Distillation for Multi-modal Aerial View Object Classification. IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshops, 2021.

[6] Codruta O. Ancuti, Cosmin Ancuti, Florin-Alexandru Vasluianu, Radu Timofte, et al. (incl. **Lehan Yang**). NTIRE 2021 NonHomogeneous Dehazing Challenge Report. IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshops, 2021.

[7] Gu, Jinjin, Haoming Cai, Chao Dong, Jimmy S. Ren, Yu Qiao, Shuhang Gu, and Radu Timofte, et al. (incl. **Lehan Yang**). NTIRE 2021 Challenge on Perceptual Image Quality Assessment. IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshops, 2021.

[8] Jerrick Liu, Nathan Inkawich, Oliver Nina, Radu Timofte, et al. (incl. **Lehan Yang**). NTIRE 2021 Multi-modal Aerial View Object Classification Challenge. IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshops, 2021.

[9] SHANG Jun-Yuan, **YANG Lehan**, HE Kun. Analyzing the Internal Representation of Deep Neural Networks through Feature Visualization[C], 2019 CCF Conference on Artificial Intelligence(**CCFAI 2019**). (Also accepted by **Computer Science**, ISSN 1002-137X)

[10] MV Shugaev, **L Yang**, T Viel, KT Nguyen. DCASE 2019 CHALLENGE:AUDIO TAGGING WITH NOISY LABELS AND THE EFFECT OF MODEL ARCHITECTURE, Preprint

## ACADEMIC ACHIEVEMENTS

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NTIRE 2023 HR NonHomogeneous Dehazing Challenge Ranks 9th out of 101

NTIRE 2021 Multi-modal Aerial View Object Classification Challenge - Track 2 (SAR+EO) Ranks 6th out of 162

NTIRE 2021 Perceptual Image Quality Assessment Challenge Ranks 7th out of 283

NTIRE 2021 NonHomogeneous Dehazing Challenge Ranks 11th out of 338

**Gold medal**, Ranked in Global 9st, Top1% in Kaggle(hosted by DCASE workshop) Freesound Audio Tagging 2019 competition

**Silver medal**, Ranked in Global 31st, Top 2% (amongst 2131 teams 2462 competitors) in Kaggle Humpback Whale Identification Competition

**Silver medal**, Ranked in Global 104th, Top 5% (amongst 2172 teams 2,691 competitors) in Kaggle Human Protein Atlas Image Classification Competition

**Bronze medal**, Ranked in Global 78th, Top 6% (amongst 1475 teams) in Kaggle SIIM-ACR Pneumothorax Segmentation Competition

Ranked in the National Top 4% (amongst more than 7,000 competitors) in DeeCamp2018 summer AI camp

Ranked in Global 218th, Top 11% (amongst 1,805 teams) in Kaggle PetFinder.my Adoption Prediction Competition

Ranked in Global 458th, Top 12% (amongst 4192 teams 4731 competitors) in Kaggle Elo Merchant Category Recommendation Competition