Hsin-Ping Huang

Curriculum Vitae

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Education

2020 – Present	**Ph.D. Student**, *University of California, Merced*, CA, USA. Electrical Engineering and Computer Science, Vision and Learning Lab ⓘ link Advisor: Prof. Ming-Hsuan Yang
2017 – 2020	**Master of Science**, *The University of Texas at Austin*, TX, USA. Computer Science, GPA: 3.93/4.0
2013 – 2017	**Bachelor of Science**, *National Taiwan University*, Taipei, Taiwan. Electrical Engineering, GPA: 4.22/4.3, rank: 3rd/166

Research Interests

Computer Vision, Machine Learning

Publications

ICCV 2021	**Learning to Stylize Novel Views**. <u>Hsin-Ping Huang</u>, Hung-Yu Tseng, Saurabh Saini, Maneesh Singh, Ming-Hsuan Yang IEEE International Conference on Computer Vision (ICCV), 2021
ICASSP 2021	**Unsupervised and Semi-Supervised Few-Shot Acoustic Event Classification**. <u>Hsin-Ping Huang</u>, Krishna C. Puvvada, Ming Sun, Chao Wang IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2021
ECCV 2020	**Semantic View Synthesis**. <u>Hsin-Ping Huang</u>, Hung-Yu Tseng, Hsin-Ying Lee, Jia-Bin Huang European Conference on Computer Vision (ECCV), 2020
CoNLL 2019	**Unsupervised Adversarial Domain Adaptation for Implicit Discourse Relation Classification**. <u>Hsin-Ping Huang</u>, Junyi Jessy Li The SIGNLL Conference on Computational Natural Language Learning (CoNLL), 2019

Research Experience

May. 2021 – Present	**Google Research, Mountain View**. *Research Intern with Deqing Sun* ○ Developing algorithms for face anti-spoofing
Aug. 2020 – Present	**Vision and Learning Lab, EECS, University of California, Merced**. *Research Assistant with Prof. Ming-Hsuan Yang* ○ Tackled a 3D scene stylization problem that generates stylized images of a scene from arbitrary novel views given images at source views and a reference style image
May. 2020 – Aug. 2020	**Amazon Alexa, Cambridge**. *Research Intern with Krishna Puvvada, Ming Sun and Chao Wang* ○ Developed unsupervised/semi-supervised methods for few-shot acoustic event detection

Feb. 2019 – Mar. 2020	**Vision and Learning Lab, ECE, Virginia Tech**.
	Advisor: Prof. Jia-Bin Huang
	○ Generated free-viewpoint rendering of a synthesized image given a semantic label map.
Feb. 2018 – Aug. 2018	**Computational Discourse Lab, Linguistics, The University of Texas at Austin**.
	Advisor: Prof. Junyi Jessy Li
	○ Exploited explicit discourse relations to classify implicit relations without labels based on adversarial discriminative domain adaptation.

Professional Activities

Journal Reviewer	Computer Graphics Forum, Computer Vision and Image Understanding (CVIU)
Conference Reviewer	IEEE International Conference on Computer Vision (ICCV), 2021

Awards

Jun. 2017	**Class Valedictorian**, EE, National Taiwan University.
	3rd place graduation (3/166)
2014 – 2016	**Presidential Award (4 times)**, EE, National Taiwan University.
	Top 5% of students in one semester
Dec. 2016	**3rd Prize in Integrated Circuit Computer Aided Design Contest**, Taiwan Ministry of Education and IEEE CEDA.
Mar. 2016	**9th Place in Data Structure and Programming Contest**, EE, National Taiwan University and Cadance.

Teaching Experience

Aug. 2020 – Present	**EECS, University of California, Merced**.
	○ CSE 120 Software Engineering (Fall 2020)
	○ CSE 162 Mobile Computing (Spring 2021)
	○ CSE 031 Computer Organization (Fall 2021)
Aug. 2017 – May. 2020	**CS, The University of Texas at Austin**.
	○ CS 303E Elements of Computers and Programming (Spring 2019, Fall 2019, Spring 2020)
	○ CS 329E Elements of Software Engineering (Fall 2018)
	○ CS 324E Elements of Graphics (Spring 2018)
	○ CS 331 Algorithms and Complexity (Fall 2017)

Technical Skills

Programming	C/C++, Python
Toolbox / Software	Pytorch, Tensorflow, Matlab, OpenCV

References

Ph.D. Advisor	**Ming-Hsuan Yang**, *Professor*, University of California, Merced.
	✉ mhyang@ucmerced.edu ⓘ homepage
Research Advisor	**Jia-Bin Huang**, *Research Scientist*, Facebook Reality Labs.
	✉ jbhuang0604@gmail.com ⓘ homepage
Internship Mentor	**Deqing Sun**, *Research Scientist*, Google Research.
	✉ deqingsun@google.com ⓘ homepage