

# Cheng-Fu Yang

[cfyang@cs.ucla.edu](mailto:cfyang@cs.ucla.edu) | [Google Scholar](#) | [Home Page](#)

## EDUCATION & EXPERIENCE

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<b>University of California, Los Angeles</b> Ph.D. in Computer Science; Advisor: <i>Kai-Wei Chang</i>	Sep. 2022 – Present
<b>National Taiwan University</b> B.S. in Electrical Engineering	Sep. 2016 – Jun. 2020
<b>Collaborative Research Project Participant</b> Microsoft Research; Mentor: <i>Yen-Chun Chen</i>	Apr. 2022 – Present
<b>Research Assistant</b> National Taiwan University; Advisor: <i>Yu-Chiang Frank Wang</i>	Sep. 2020 – Jun. 2022
<b>Collaborative Research Project Participant</b> Carnegie Mellon University; Mentor: <i>Yao-Hung Hubert Tsai</i> ; Advisor: <i>Ruslan Salakhutdinov, Louis-Philippe Morency</i>	Dec. 2020 – Sep. 2021
<b>Software Engineer Intern</b> ASUS Intelligent Cloud Services	Jul. 2019 – Aug. 2019

## RESEARCH INTEREST

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Vision and Language representation learning for Embodied AI.  
Compositionality skills for multimodal generation and reasoning.

## PUBLICATIONS

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- Cheng-Fu Yang**, Yao-Hung Hubert Tsai, Wan-Cyuan Fan, Ruslan Salakhutdinov, Louis-Philippe Morency, and Yu-Chiang Frank Wang. “Paraphrasing is all you need for novel object captioning”, *NeurIPS 2022*.
- Cheng-Fu Yang**, Wan-Cyuan Fan, Fu-En Yang, and Yu-Chiang Frank Wang. “Layouttransformer: Scene layout generation with conceptual and spatial diversity”, *CVPR 2021*.
- Wan-Cyuan Fan, **Cheng-Fu Yang**, Chiao-An Yang and Yu-Chiang Frank Wang. “Target-free Text-guided Image Manipulation”, *AAAI 2023*.
- Chih-Chun Yang, **Cheng-Fu Yang**, Wan-Cyuan Fan, and Yu-Chiang Frank Wang. “Cross-Modal Mutual Learning for Audio-Visual Speech Recognition and Manipulation”, *AAAI 2022*.
- Chiao-An Yang, Cheng-Yo Tan, Wan-Cyuan Fan, **Cheng-Fu Yang**, Meng-Lin Wu, and Yu-Chiang Frank Wang. “Scene graph expansion for semantics-guided image outpainting”, *CVPR 2022*.

## AWARDS AND HONORS

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First Prize, Institute for Information Industry Enterprise Award at Meichu Hackathon	Sep. 2019
Dean’s List, National Taiwan University	Sep. 2019
Dean’s List, National Taiwan University	Jan. 2017

## TEACHING EXPERIENCES & PROFESSION SERVICES

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<b>Teaching Assistant, National Taiwan University</b> Deep Learning for Computer Vision; Instructor: Yu-Chiang Frank Wang	Fall 2021
<b>Teaching Assistant, National Taiwan University</b> Machine Learning; Instructor: Hung-Yi Lee	Fall 2019 & Spring 2020
<b>Conference Reviewer</b> CVPR, ECCV, ICCV, NeurIPS	