

# Hao-Wen (Herman) Dong

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## Current Position

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**University of Michigan** Aug 2024 – present  
*Assistant Professor* Ann Arbor, MI, USA  
Department of Performing Arts Technology, School of Music, Theatre & Dance

*Affiliate Faculty*  
Department of Computer Science and Engineering, College of Engineering  
Department of Electrical and Computer Engineering, College of Engineering  
Michigan Institute for Data & AI in Society (MIDAS)  
Michigan AI Laboratory  
University of Michigan Arts Initiative

## Research Interests

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Music generation, music technology, audio synthesis, video editing, multimodal AI

## Education

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**University of California San Diego** Sep 2019 – Jun 2024  
*Ph.D. in Computer Science* La Jolla, CA, USA  
Advisors: [Julian McAuley](#) and [Taylor Berg-Kirkpatrick](#)  
Dissertation: [Generative AI for Music and Audio](#)

**University of California San Diego** Sep 2019 – Jun 2021  
*M.S. in Computer Science* La Jolla, CA, USA

**National Taiwan Normal University** Sep 2016 – Jun 2017  
*Digital Video and Audio Arts Program* Taipei, Taiwan

**National Taiwan University** Sep 2013 – Jun 2017  
*B.S. in Electrical Engineering* Taipei, Taiwan

## Selected Honors & Awards

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**AAAI New Faculty Highlights**, Association for the Advancement of Artificial Intelligence (AAAI) 2026

**Doctoral Award for Excellence in Research**, Department of Computer Science and Engineering, University of California San Diego 2024

**Rising Stars in AI**, AI Initiative, King Abdullah University of Science and Technology (KAUST) 2024

**Rising Stars in Data Science**, Data Science Institute, University of Chicago and Halicioğlu Data Science Institute, University of California San Diego 2023

**IEEE SPS Scholarship** (\$2,000), IEEE Signal Processing Society 2023

<b>Friends of International Center Fellowship</b> (\$2,000), <i>Division of Graduate Education and Postdoctoral Affairs, University of California San Diego</i>	2023
<b>Rising Stars in Signal Processing</b> , <i>International Conference on Acoustics, Speech, and Signal Processing (ICASSP)</i>	2023
<b>Interdisciplinary Research Award</b> (\$500), <i>Graduate and Professional Student Association, University of California San Diego</i>	2023
<b>Postdoctoral Networking Tour in Artificial Intelligence</b> , <i>German Academic Exchange Service (DAAD)</i>	2023
<b>AWS Cloud Credit for Research</b> (\$2,500), <i>Amazon Web Services</i>	2023
<b>Government Scholarship to Study Abroad</b> (\$32,000), <i>Taiwan Ministry of Education</i>	2022 – 2024
<b>J. Yang Scholarship</b> (\$25,000), <i>J. Yang and Family Foundation</i>	2021 – 2022
<b>ECE Department Fellowship</b> (\$54,198), <i>Department of Electrical and Computer Engineering, University of California San Diego</i>	2019 – 2020

## Funding

<b>PI, Arts Research: Incubation &amp; Acceleration (ARIA) Program</b> , “ <i>SuperConductor: Towards Playful Human-AI Music Co-creation</i> ,” <i>Arts Initiative and Office of the Vice President of Research, University of Michigan</i> , \$25,000	2025 – 2026
<b>PI, NVIDIA Academic Grant Program</b> , “ <i>Teaser Generation for Long Documentaries and Educational Videos</i> ,” <i>NVIDIA</i> , 21,000 A100 GPU hours (est. \$86,000 value)	2025
<b>PI, Academic Innovation Fund</b> , “ <i>Creative and Artistic use of GenAI for Music</i> ,” <i>Center for Academic Innovation, University of Michigan</i> , \$5,000	2025

## Publications

Google Scholar ID: [tEOa3O4AAAAJ](https://scholar.google.com/citations?user=tEOa3O4AAAAJ)

#student mentored \*equal contribution

### Conference Papers .....

Weihan Xu<sup>#</sup>, Yimeng Ma, Jingyue Huang, Yang Li, Wenye Ma, Taylor Berg-Kirkpatrick, Julian McAuley, Paul Pu Liang, and **Hao-Wen Dong**, “[REGen: Multimodal Retrieval-Embedded Generation for Long-to-Short Video Editing](#),” *Advances in Neural Information Processing Systems (NeurIPS)*, 2025.  

Weihan Xu<sup>#</sup>, Julian McAuley, Taylor Berg-Kirkpatrick, Shlomo Dubnov, and **Hao-Wen Dong**, “[Generating Symbolic Music from Natural Language Prompts using an LLM-Enhanced Dataset](#),” *International Society for Music Information Retrieval Conference (ISMIR)*, 2025.  

Haven Kim, Zachary Novack, Weihan Xu, Julian McAuley, and **Hao-Wen Dong**, “[Video-Guided Text-to-Music Generation Using Public Domain Movie Collections](#),” *International Society for Music Information Retrieval Conference (ISMIR)*, 2025.  

Ilana Shapiro, Ruanqianqian (Lisa) Huang, Zachary Novack, Cheng-i Wang, **Hao-Wen Dong**, Taylor Berg-Kirkpatrick, Shlomo Dubnov, and Sorin Lerner, “[Synthesizing Composite Hierarchical Structure from Symbolic Music Corpora](#),” *International Joint Conference on Artificial Intelligence (IJCAI), AI, Arts & Creativity Track*, 2025. 

- Weihan Xu<sup>#</sup>, Paul Pu Liang, Haven Kim, Julian McAuley, Taylor Berg-Kirkpatrick, and **Hao-Wen Dong**, “TeaserGen: Towards Generating Teasers for Long Documentaries,” *International Conference on Learning Representations (ICLR)*, 2025.  
- Daewoong Kim, **Hao-Wen Dong**, and Dasaem Jeong, “ViolinDiff: Enhancing Expressive Violin Synthesis with Pitch Bend Conditioning,” *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2025. (Oral presentation)  
- Junda Wu, Zachary Novack, Amit Namburi, **Hao-Wen Dong**, Caron Chen, Jiaheng Dai, and Julian McAuley, “FUTGA-MIR: Enhancing Fine-grained and Temporally-aware Music Understanding with Music Information Retrieval,” *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2025. 
- Jiwoo Ryu, **Hao-Wen Dong**, Jongmin Jung, and Dasaem Jeong, “Nested Music Transformer: Sequentially Decoding Compound Tokens in Symbolic Music and Audio Generation,” *International Society for Music Information Retrieval Conference (ISMIR)*, 2024.  
- Hao-Wen Dong**, Xiaoyu Liu, Jordi Pons, Gautam Bhattacharya, Santiago Pascual, Joan Serrà, Taylor Berg-Kirkpatrick, and Julian McAuley, “CLIPsonic: Text-to-Audio Synthesis with Unlabeled Videos and Pretrained Language-Vision Models,” *IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA)*, 2023. (Oral presentation)  
- Hao-Wen Dong**, Ke Chen, Shlomo Dubnov, Julian McAuley, and Taylor Berg-Kirkpatrick, “Multitrack Music Transformer,” *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2023. (Oral presentation)   
- Hao-Wen Dong**, Naoya Takahashi, Yuki Mitsufuji, Julian McAuley, and Taylor Berg-Kirkpatrick, “CLIPSep: Learning Text-queried Sound Separation with Noisy Unlabeled Videos,” *International Conference on Learning Representations (ICLR)*, 2023.   
- Ke Chen, **Hao-Wen Dong**, Yi Luo, Julian McAuley, Taylor Berg-Kirkpatrick, Miller Puckette, and Shlomo Dubnov, “Improving Choral Music Separation through Expressive Synthesized Data from Sampled Instruments,” *International Society for Music Information Retrieval Conference (ISMIR)*, 2022.  
- Hao-Wen Dong**, Cong Zhou, Taylor Berg-Kirkpatrick, and Julian McAuley, “Deep Performer: Score-to-Audio Music Performance Synthesis,” *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2022.  
- Hao-Wen Dong**, Chris Donahue, Taylor Berg-Kirkpatrick, and Julian McAuley, “Towards Automatic Instrumentation by Learning to Separate Parts in Symbolic Multitrack Music,” *International Society for Music Information Retrieval Conference (ISMIR)*, 2021.   
- Sachinda Edirisooriya, **Hao-Wen Dong**, Julian McAuley, and Taylor Berg-Kirkpatrick, “An Empirical Evaluation of End-to-End Polyphonic Optical Music Recognition,” *International Society for Music Information Retrieval Conference (ISMIR)*, 2021. 
- Hao-Wen Dong**, Ke Chen, Julian McAuley, and Taylor Berg-Kirkpatrick, “MusPy: A Toolkit for Symbolic Music Generation,” *International Society for Music Information Retrieval Conference (ISMIR)*, 2020.   
- Hao-Wen Dong** and Yi-Hsuan Yang, “Convolutional Generative Adversarial Networks with Binary Neurons for Polyphonic Music Generation,” *International Society for Music Information Retrieval Conference (ISMIR)*, 2018.   

**Hao-Wen Dong\***, Wen-Yi Hsiao\*, Li-Chia Yang, and Yi-Hsuan Yang, “[MuseGAN: Multi-Track Sequential Generative Adversarial Networks for Symbolic Music Generation and Accompaniment](#),” *AAAI Conference on Artificial Intelligence (AAAI)*, 2018. (Oral presentation)  

### Journal Paper .....

Yin-Cheng Yeh, Wen-Yi Hsiao, Satoru Fukayama, Tetsuro Kitahara, Benjamin Genchel, Hao-Min Liu, **Hao-Wen Dong**, Yian Chen, Terence Leong, and Yi-Hsuan Yang, “[Automatic Melody Harmonization with Triad Chords: A Comparative Study](#),” *Journal of New Music Research (JNMR)*, 50(1):37–51, 2021.

### Workshop Papers .....

Phillip Long, **Hao-Wen Dong**, Julian McAuley, and Zachary Novack, “MusPyExpress: Extending MusPy with Enhanced Expression Text Support,” *NeurIPS Workshop on Artificial Intelligence for Music (AI4Music)*, 2025.

Ashwin Nagarajan<sup>#</sup> and **Hao-Wen Dong**, “[The Name-Free Gap: Policy-Aware Stylistic Control in Music Generation](#),” *NeurIPS Workshop on Artificial Intelligence for Music (AI4Music)*, 2025.  

Ting-Yu Pan<sup>#</sup>, Kexin Phyllis Ju<sup>#</sup>, and **Hao-Wen Dong**, “ACappellaSet: A Multilingual A Cappella Dataset for Source Separation and AI-assisted Rehearsal Tools,” *NeurIPS Workshop on Artificial Intelligence for Music (AI4Music)*, 2025.

Haven Kim, Leduo Chen, Bill Wang, **Hao-Wen Dong**, and Julian McAuley, “Video-to-Music Generation for Film Production: A Dataset and Framework,” *NeurIPS Workshop on Artificial Intelligence for Music (AI4Music)*, 2025.

Junda Wu, Zachary Novack, Amit Namburi, Jiaheng Dai, **Hao-Wen Dong**, Zhouhang Xie, Carol Chen, and Julian McAuley, “[FUTGA: Towards Fine-grained Music Understanding through Temporally-enhanced Generative Augmentation](#),” *Workshop on NLP for Music and Audio (NLP4MusA)*, 2024.

Weihan Xu<sup>#</sup>, Julian McAuley, Shlomo Dubnov, and **Hao-Wen Dong**, “[Equipping Pretrained Unconditional Music Transformers with Instrument and Genre Controls](#),” *IEEE Big Data Workshop on AI Music Generation (AIMG)*, 2023. (AI Music Innovation Award) 

**Hao-Wen Dong**, Gunnar A. Sigurdsson, Chenyang Tao, Jiun-Yu Kao, Yu-Hsiang Lin, Anjali Narayan-Chen, Arpit Gupta, Tagyoung Chung, Jing Huang, Nanyun Peng, and Wenbo Zhao, “[CLIPSynth: Learning Text-to-audio Synthesis from Videos using CLIP and Diffusion Models](#),” *CVPR Workshop on Sight and Sound (WSS)*, 2023.  

### Demo Papers .....

Ting-Yu Pan<sup>#\*</sup>, Kexin Phyllis Ju<sup>#\*</sup>, and **Hao-Wen Dong**, “[Curating an A Cappella Dataset for Source Separation](#),” *ISMIR Late-Breaking Demos*, 2025. 

Haven Kim, Leduo Chen, Bill Wang, **Hao-Wen Dong**, and Julian McAuley, “[Open Screen Soundtrack Library Version 2](#),” *ISMIR Late-Breaking Demos*, 2025.

Weihan Xu<sup>#</sup>, Julian McAuley, Taylor Berg-Kirkpatrick, Shlomo Dubnov, and **Hao-Wen Dong**, “[A New Dataset for Tag- and Text-based Controllable Symbolic Music Generation](#),” *ISMIR Late-Breaking Demos*, 2024. 

**Hao-Wen Dong**, Wen-Yi Hsiao, and Yi-Hsuan Yang, “[Pypianoroll: Open Source Python Package for Handling Multitrack Pianoroll](#),” *ISMIR Late-Breaking Demos*, 2018.  

**Hao-Wen Dong\***, Wen-Yi Hsiao\*, Li-Chia Yang, and Yi-Hsuan Yang, “[MuseGAN: Demonstration of a Convolutional GAN Based Model for Generating Multi-track Piano-rolls](#),” *ISMIR Late-Breaking Demos*, 2017.  

## Nonrefereed Papers .....

**Hao-Wen Dong** and Yi-Hsuan Yang, “[On Output Activation Functions for Adversarial Losses: A Theoretical Analysis via Variational Divergence Minimization and An Empirical Study on MNIST Classification](#),” *arXiv preprint arXiv:1901.08753*, 2019.  

**Hao-Wen Dong** and Yi-Hsuan Yang, “[Training Generative Adversarial Networks with Binary Neurons by End-to-end Backpropagation](#),” *arXiv preprint arXiv:1810.04714*, 2018.  

## Talks

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### Invited Talks .....

“[Augmenting Human Creativity with Generative AI](#),” *Seminar, Purdue University*, West Lafayette, IN, USA, Mar. 2, 2026.

“[Towards AI-assisted Video Editing: Generating Shorts from Long Videos](#),” *Communications and Signal Processing Seminar, Electrical and Computer Engineering, University of Michigan*, Ann Arbor, MI, USA, Feb. 5, 2026. 

“[Augmenting Human Creativity with AI](#),” *AAAI New Faculty Highlights*, Singapore, Jan. 25, 2026.

“[Towards AI-assisted Video Editing: Generating Shorts from Long Videos](#),” *Embodied Intelligence Seminar, Computer Science and Artificial Intelligence Lab, Massachusetts Institute of Technology (MIT)*, Cambridge, MA, USA, Sept. 12, 2025. 

“[Augmenting Human Creativity with Generative AI](#),” *ECE Seminar, Department of Electrical and Computer Engineering, University of Rochester*, Rochester, NY, USA, Mar. 5, 2025.

“[Empowering Music and Audio Creation with Machine Learning](#),” *AAAI Workshop on AI for Music*, Philadelphia, PA, USA, Mar. 3, 2025.

“[Human-Centered Generative AI for Content Creation: Generating Music and Audio with Machine Learning](#),” *CMSE Colloquium, Department of Computational Mathematics, Science and Engineering, Michigan State University*, East Lansing, MI, USA, Jan. 14, 2025.

“[Generative AI for Music and Audio](#),” *CS Colloquium, Department of Computer Science, University of Missouri–St. Louis*, Online, Mar. 7, 2024.

“[Learning Text-to-Audio Synthesis from Videos](#),” *Rising Stars in AI Symposium, AI Initiative, King Abdullah University of Science and Technology (KAUST)*, Thuwal, Saudi Arabia, Feb. 20, 2024.

“[Generative AI for Music and Audio](#),” *CS Seminar, Department of Computer Science, Northwestern University*, Evanston, IL, USA, Nov. 15, 2023.

“[Generative AI for Music and Audio](#),” *Rising Stars in Data Science Workshop, Data Science Institute, University of Chicago*, Chicago, IL, USA, Nov. 14, 2023.

“[Generative AI for Music and Audio](#),” *DSP Seminar, Center for Computer Research in Music and Acoustics (CCRMA), Stanford University*, Palo Alto, CA, USA, Nov. 10, 2023.

“[Learning Sound Separation and Synthesis from Videos using Pretrained Language-vision Models](#),” *Seminar, Mitsubishi Electric Research Laboratories (MERL)*, Cambridge, MA, USA, Oct. 30, 2023.

- “Generative AI for Music and Audio,” *Seminar, Institute of Information Science, Academia Sinica*, Taipei, Taiwan, Sept. 18, 2023. [▶](#)
- “Generative AI for Music and Audio,” *Seminar, Department of Computer Science and Information Engineering, National Taiwan University*, Taipei, Taiwan, Sept. 15, 2023. [▶](#)
- “Generative AI for Music and Audio,” *Seminar, Graduate Institute of Communication Engineering, National Taiwan University*, Taipei, Taiwan, Sept. 11, 2023. [▶](#)
- “Generating Multitrack Music using Deep Learning,” *Seminar, AI Research Center, National Institute of Advanced Industrial Science and Technology (AIST)*, Tokyo, Japan, Sept. 12, 2022.
- “MusPy: Symbolic Music Processing in Python,” *Music + AI Reading Group, Mila and Vector Institute*, Online, Apr. 8, 2022. [▶](#)
- “Towards Automatic Instrumentation by Learning to Separate Parts in Symbolic Multitrack Music,” *J. Yang Scholars Symposium, UC San Diego*, Online, Sept. 25, 2021. [▶](#)
- “MuseGAN: Multi-track Sequential Generative Adversarial Networks for Symbolic Music Generation and Accompaniment,” *Music AI Day, Academia Sinica*, Taipei, Taiwan, Jan. 3, 2019.
- “MuseGAN: Multi-track Sequential Generative Adversarial Networks for Symbolic Music Generation and Accompaniment,” *Generative Music Informatics Workshop*, Hiroshima, Japan, Aug. 20, 2018.
- “MuseGAN: Multi-track Sequential Generative Adversarial Networks for Symbolic Music Generation and Accompaniment,” *Taiwanese Music and Audio Computing Workshop*, Taipei, Taiwan, May 24, 2018.
- “MuseGAN: Multi-track Sequential Generative Adversarial Networks for Symbolic Music Generation and Accompaniment,” *AAAI Seminar, Program Office of AI Research, Taiwan Ministry of Science and Technology*, Hsinchu, Taiwan, Mar. 24, 2018.

### Tutorial Talk .....

- Hao-Wen Dong** and Yi-Hsuan Yang, “Generating Music with GANs: An Overview and Case Studies,” *Tutorials of the 20th International Society for Music Information Retrieval Conference (ISMIR)*, Delft, Netherlands, Nov. 4, 2019. (3-hour tutorial) [🌐](#) [🔗](#)

### Posters .....

- Kexin Phyllis Ju, Ting-Yu Pan, and **Hao-Wen Dong**, “AcaMate: Supporting Novice A Cappella Singers in Iterative Individual Practice,” *ACM Symposium on User Interface Software and Technology (UIST)*, Busan, Korea, Oct. 1, 2025.
- Hao-Wen Dong**, “Learning Text-queried Sound Separation and Synthesis using Unlabeled Videos and Pretrained Language-Vision Models,” *Rising Stars in Data Science Workshop*, Chicago, IL, USA, Nov. 14, 2023.
- Hao-Wen Dong**, “Learning Text-queried Sound Separation and Synthesis using Unlabeled Videos and Pretrained Language-Vision Models,” *Speech and Audio in the Northeast (SANE)*, Brooklyn, NY, USA, Oct. 26, 2023.
- Hao-Wen Dong**, “Empowering Music Creation with Machine Learning,” *ICASSP Rising Stars in Signal Processing Workshop*, Rhodes, Greece, June 9, 2023.

Hao-Min Liu, **Hao-Wen Dong**, Wen-Yi Hsiao, and Yi-Hsuan Yang, “[Lead sheet and Multi-track Piano-roll generation using MuseGAN](#),” *GPU Technology Conference Taiwan (GTC Taiwan)*, Taipei, Taiwan, May 30, 2018.

## Professional Experience

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<p><b>NVIDIA</b>  <i>Research Intern</i>            Deep Imagination Research Group, NVIDIA Research            Advisors: <a href="#">Siddharth Gururani</a> and <a href="#">Ming-Yu Liu</a>            Topic: Controllable audio generation</p>	<p>Sep 2023 – Dec 2023            Santa Clara, CA, USA</p>
<p><b>Adobe</b>  <i>Research Scientist/Engineer Intern</i>            Audio Research Group, Adobe Research            Advisors: <a href="#">Justin Salamon</a> and <a href="#">Oriol Nieto</a>            Topic: Text-to-audio retrieval</p>	<p>May 2023 – Sep 2023            San Francisco, CA, USA</p>
<p><b>Dolby</b>  <i>Speech/Audio Deep Learning Intern</i>            Applied AI Team, Advanced Technology Group            Advisor: <a href="#">Xiaoyu Liu</a>            Topic: Text-to-audio synthesis</p>	<p>Jan 2023 – Apr 2023            Remote</p>
<p><b>Amazon</b>  <i>Applied Scientist Intern</i>            Natural Understanding Team, Alexa AI            Advisors: <a href="#">Wenbo Zhao</a> and <a href="#">Gunnar Sigurdsson</a>            Topic: Text-to-audio synthesis</p>	<p>Sep 2022 – Jan 2023            Sunnyvale, CA, USA</p>
<p><b>Sony</b>  <i>Student Intern</i>            Tokyo Laboratory 30, R&amp;D Center            Advisor: <a href="#">Naoya Takahashi</a>            Topic: Text-queried sound separation</p>	<p>Jun 2022 – Sep 2022            Tokyo, Japan</p>
<p><b>Dolby</b>  <i>Deep Learning Audio Intern</i>            Applied AI Team, Advanced Technology Group            Advisor: <a href="#">Cong Zhou</a>            Topic: Music performance synthesis</p>	<p>Jun 2021 – Sep 2021            Remote</p>
<p><b>Yamaha</b>  <i>Research Intern</i>            AI Group, Research and Development Division            Advisor: <a href="#">Keijiro Saino</a>            Topic: Deep learning based synthesizer</p>	<p>May 2019 – Aug 2019            Hamamatsu, Japan</p>

**Academia Sinica***Research Assistant*

Music and AI Lab, Research Center for IT Innovation

Advisor: [Yi-Hsuan Yang](#)

Topics: Music generation and deep generative models

Jul 2017 – Apr 2019

Taipei, Taiwan

**Teaching Experience**

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**Courses Taught** .....

<b>Instructor</b> , <i>Generative AI for Music and Audio Creation (PAT 464/564)</i> , University of Michigan	Winter 2026
<b>Instructor</b> , <i>Music and AI (PAT 463/563)</i> , University of Michigan	Fall 2025
<b>Instructor</b> , <i>Creative Coding (PAT 204/504)</i> , University of Michigan	Fall 2025
<b>Instructor</b> , <i>Music and AI (PAT 498/598)</i> , University of Michigan	Winter 2025
<b>Instructor</b> , <i>Contemporary Software Techniques in Performing Arts Technology (PAT 514)</i> , University of Michigan	Winter 2025
<b>Instructor</b> , <i>Generative AI for Music and Audio Creation (PAT 498/598)</i> , University of Michigan	Fall 2024
<b>Instructor</b> , <i>Creative Coding (PAT 204/504)</i> , University of Michigan	Fall 2024

**Teaching Assistantships** .....

<b>Teaching Assistant</b> , <i>ML: Learning Algorithms (CSE 251A)</i> , UC San Diego	Winter 2024
<b>Teaching Assistant</b> , <i>Principles of Machine Learning: Learning Algorithms (CSE 251A)</i> , UC San Diego	Winter 2022
<b>Teaching Assistant</b> , <i>Recommender Systems &amp; Web Mining (CSE 258)</i> , UC San Diego	Fall 2021
<b>Teaching Assistant</b> , <i>Topics in CSE: Advanced Statistical NLP (CSE 291)</i> , UC San Diego	Spring 2021
<b>Teaching Assistant</b> , <i>Introduction to Machine Learning (CSE 151A)</i> , UC San Diego	Winter 2021
<b>TA Lead on Remote Teaching</b> , <i>Recommender Systems &amp; Web Mining (CSE 258)</i> , UC San Diego	Fall 2020
<b>Teacher</b> , <i>AMC 8 Training Camp</i> , Kang Chiao International School	Fall 2015

**Guest Lectures** .....

- “[Generative AI for Music and Audio](#),” *Audio Computing Laboratory (CS 448)*, **University of Illinois Urbana-Champaign**, Urbana, IL, USA, Mar. 4, 2026.
- “[Augmenting Human Creativity with AI](#),” *Machine Learning Research Experience (EECS 498)*, **University of Michigan**, Ann Arbor, MI, USA, Oct. 7, 2025.
- “[AI Music and Audio Generation](#),” *Music Class*, **Taipei Digital Experimental High School**, Online, May 21, 2024.
- “[AI Concerns of Data Sources for Generative AI](#),” *Topic Exploration*, **Taipei Digital Experimental High School**, Online, Apr. 29, 2024.

## Mentoring Experience

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### Doctoral Committee .....

**Repolusk Tristan**, *Graz University of Technology*, “SuziAI: Digital Encoding, Optical Music Recognition, and Stylistic Generation for Song Dynasty Chinese Music in Jiang Kui’s Baishidaoren Gequ” 2025

### Graduate Research .....

**Junnuo Wang**, *New York University* 2025 – present

**Yuna Lee**, *University of Michigan* 2025 – present

**Kexin (Phyllis) Ju**, *University of Michigan* 2025 – present

**Ting-Yu Pan**, *University of Michigan* 2025 – present

**Leduo Chen**, *UC San Diego* 2025 – present

**Erfun Ackley**, *University of Michigan* 2024 – 2025

**Weihan Xu**, *Duke University* 2023 – 2025

**Bryan Rabotnick**, *University of Michigan* 2025

**Michael Cella**, *University of Michigan* 2025

**Jayeon Yi**, *University of Michigan* 2025

**Chris Francis**, *UC San Diego* 2023

**Sanjayan Sreekala**, *UC San Diego* 2023

### Undergraduate Research .....

**Zuchen Li**, *University of Michigan* 2025 – present

**Jiaye Tan**, *University of Michigan* 2024 – 2025

**Yangfan He**, *University of Minnesota* 2024 – 2025

**Oliver Camp**, *University of Michigan* 2025

**Wanning Lu**, *UC San Diego*, NSF Early Research Scholars Program (ERSP) 2023 – 2024

**Hoang Phan**, *UC San Diego*, NSF Early Research Scholars Program (ERSP) 2023 – 2024

**Diego Reyes**, *UC San Diego*, NSF Early Research Scholars Program (ERSP) 2023 – 2024

### Career Mentoring .....

**WiMIR Mentoring Program**, *Women in Music Information Retrieval* 2022 – present

2026: Junnuo Wang, Jingyi Song

2025: Binyue Deng

2024: Francesca Ronchini

2023: Julien Guinot

2022: Kavya Saxena

**project Tyra Mentoring Program**, *Taiwanese Young Researcher Association* 2021 – present

2024: Yu-chun Lin

2023: Tien Yu Chang, Hao-Cheng Chang, Yun Ho

2022: Jhan-Shuo Liu, Hou-Chun Liu, Chia-Yuan Hsu

2021: Yen-Chen Shih, Li-Ching Chen, Yu-Chia Chen, Yu-Yang Kao, Yen-Fu Lu

## Professional Service

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**Organizer**, *ICME Grand Challenge on Academic Text-to-Music Generation*, 2026

**Organizer**, *NeurIPS Workshop on AI for Music*, 2025

**Publication Chair**, *ISMIR*, 2025

**Area Chair / Meta-reviewer**, *NeurIPS (2026–)*, *ISMIR (2024–)*

**Conference Reviewer**, *ISMIR (2020–)*, *NeurIPS (2022–)*, *AIMC (2022–)*, *ICML (2023–)*, *ICLR (2024–2025)*, *ICASSP (2024–2025)*, *AAAI (2025)*, *NLP4MusA (2024)*, *CHI Late-Breaking Work (2022)*, *ISMIR Late-Breaking Demos (2021)*

**Journal Reviewer**, *TASLP (2023–)*, *EURASIP JASM (2022–2024)*, *TOMM (2023)*, *SoftwareX (2022–2023)*, *EURASIP JASP (2022)*, *PJS (2022)*, *JOCCH (2022)*, *TISMIR (2022)*, *IEEE Transactions on Games (2020)*, *Scientific Reports (2020)*, *Neurocomputing (2019)*

**Book Reviewer**, “*Generative AI with Python and TensorFlow 2*” by Joseph Babcock and Raghav Bali, Packt Publishing, 2021

## Music, Films & Dramas

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<b>Bass Singer</b> , <i>NTUChorus</i>	2013 – 2017
<b>Producer</b> , “ <i>FragMemory</i> ”, short film, color, 39min 	2017
<b>Conductor</b> , <i>NTUEE Concert Choir</i> 	2017
<b>Student Conductor</b> , <i>NTUChorus</i>	2015 – 2016
<b>Student Conductor</b> , <i>NTUChorus Summer Concert</i> , Taiwan National Concert Hall  	2016
<b>Student Conductor</b> , <i>NTUChorus Winter Concert</i> , Taiwan National Concert Hall 	2016
<b>Bass Leader</b> , <i>NTUChorus</i>	2014 – 2015
<b>Director and Writer</b> , “ <i>Eye of Horus</i> ”, Sophomore Drama, NTUEE Night 	2015
<b>Leading Actor</b> , “ <i>The Magus</i> ”, Freshman Drama, NTUEE Night 	2014
<b>Music Director</b> , “ <i>Life is ____.</i> ”, Graduation album for NKNUSH Class of 2013 	2013
<b>Writer, Vocal and Drums</b> , “ <i>No longer ever</i> ”, Graduation song for NKNUSH Class of 2013 	2013

— Last updated on Mar 29, 2026 —