

Hao-Wen (Herman) Dong

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Current Position

University of Michigan

Assistant Professor

Department of Performing Arts Technology
School of Music, Theatre & Dance

Aug 2024 – *present*
Ann Arbor, MI, USA

Affiliate Faculty

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

Research Interests

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

Education

University of California San Diego

Ph.D. in Computer Science

Advisors: [Julian McAuley](#) and [Taylor Berg-Kirkpatrick](#)

Dissertation: [Generative AI for Music and Audio](#)

Sep 2019 – Jun 2024
La Jolla, CA, USA

University of California San Diego

M.S. in Computer Science

Sep 2019 – Jun 2021
La Jolla, CA, USA

National Taiwan Normal University

Digital Video and Audio Arts Program

Sep 2016 – Jun 2017
Taipei, Taiwan

National Taiwan University

B.S. in Electrical Engineering

Sep 2013 – Jun 2017
Taipei, Taiwan

Selected Honors & Awards

First Prize, Empowering Research with AI Award (\$3,000), <i>AI Institutes at Michigan</i>	2026
AAAI New Faculty Highlights , <i>Association for the Advancement of Artificial Intelligence (AAAI)</i>	2026
Doctoral Award for Excellence in Research , <i>Department of Computer Science and Engineering, University of California San Diego</i>	2024
Rising Stars in AI , <i>AI Initiative, King Abdullah University of Science and Technology (KAUST)</i>	2024
Rising Stars in Data Science , <i>Data Science Institute, University of Chicago and Halicioğlu Data Science Institute, University of California San Diego</i>	2023
IEEE SPS Scholarship (\$2,000), <i>IEEE Signal Processing Society</i>	2023

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

Funding

PI, Arts Research: Incubation & Acceleration (ARIA) Program , “ <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
PI, NVIDIA Academic Grant Program , “ <i>Teaser Generation for Long Documentaries and Educational Videos</i> ,” <i>NVIDIA</i> , 21,000 A100 GPU hours (est. \$86,000 value)	2025
PI, Academic Innovation Fund , “ <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[#], 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[#], 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[#], 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[#] 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[#], Kexin Phyllis Ju[#], 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[#], 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^{##}, Kexin Phyllis Ju^{##}, 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[#], 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

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)*, Posters, Busan, Korea, Oct. 1, 2025.

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

Invited Talks

“Generative AI for Music: Challenges & Opportunities,” *Seminar, Music Technology Group (MTG), Universitat Pompeu Fabra (UPF)*, Barcelona, Spain, July 8, 2026. 

“Strokes of Sonic Tradition: Retracing Surviving Guqin Notations and Practices,” *Dagstuhl Seminar on Open Music Data for Music Processing Research*, Wadern, Germany, July 2, 2026.

“AI-powered Dataset Curation, Processing, and Rehearsal Interfaces for A Cappella,” *AI in Research Symposium, University of Michigan*, Ann Arbor, MI, USA, Mar. 31, 2026. 

“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, Department of 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

- 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

NVIDIA

Research Intern

Deep Imagination Research Group, NVIDIA Research

Advisors: [Siddharth Gururani](#) and [Ming-Yu Liu](#)

Topic: Controllable audio generation

Sep 2023 – Dec 2023

Santa Clara, CA, USA

Adobe

Research Scientist/Engineer Intern

Audio Research Group, Adobe Research

Advisors: [Justin Salamon](#) and [Oriol Nieto](#)

Topic: Text-to-audio retrieval

May 2023 – Sep 2023

San Francisco, CA, USA

Dolby

Speech/Audio Deep Learning Intern

Applied AI Team, Advanced Technology Group

Advisor: [Xiaoyu Liu](#)

Topic: Text-to-audio synthesis

Jan 2023 – Apr 2023

Remote

Amazon

Applied Scientist Intern

Natural Understanding Team, Alexa AI

Advisors: [Wenbo Zhao](#) and [Gunnar Sigurdsson](#)

Topic: Text-to-audio synthesis

Sep 2022 – Jan 2023

Sunnyvale, CA, USA

Sony

Student Intern

Tokyo Laboratory 30, R&D Center

Advisor: [Naoya Takahashi](#)

Topic: Text-queried sound separation

Jun 2022 – Sep 2022

Tokyo, Japan

Dolby

Deep Learning Audio Intern

Applied AI Team, Advanced Technology Group

Advisor: [Cong Zhou](#)

Topic: Music performance synthesis

Jun 2021 – Sep 2021

Remote

Yamaha

Research Intern

AI Group, Research and Development Division

Advisor: [Keiji Saino](#)

Topic: Deep learning based synthesizer

May 2019 – Aug 2019

Hamamatsu, Japan

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**Courses Taught**

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

Teaching Assistantships

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

Doctoral Committee

Molly Jones , <i>University of Michigan</i> , “Audio Dataset Construction for Personalized ML-musician Co-creativity”	Ongoing
Repolusk Tristan , <i>Graz University of Technology</i> , “SuziAI: Digital Encoding, Optical Music Recognition, and Stylistic Generation for Song Dynasty Chinese Music in Jiang Kui’s Baishidaoren Gequ”	2025

Graduate Research

Junyoung Koh , <i>Yonsei University</i>	2026 – present
Sangheon Park , <i>Georgia Institute of Technology</i>	2026 – present
Junnuo Wang , <i>New York University</i>	2025 – present
Yuna Lee , <i>University of Michigan</i>	2025 – present
Kexin (Phyllis) Ju , <i>University of Michigan</i>	2025 – present
Ting-Yu Pan , <i>University of Michigan</i>	2025 – present
Leduo Chen , <i>UC San Diego</i>	2025
Erfun Ackley , <i>University of Michigan</i>	2024 – 2025
Weihan Xu , <i>Duke University</i>	2023 – 2025
Bryan Rabotnick , <i>University of Michigan</i>	2025
Michael Cella , <i>University of Michigan</i>	2025
Jayeon Yi , <i>University of Michigan</i>	2025
Chris Francis , <i>UC San Diego</i>	2023
Sanjayan Sreekala , <i>UC San Diego</i>	2023

Undergraduate Research

Yiheng Lu , <i>Chinese University of Hong Kong, Shenzhen</i>	2026 – present
Yuxuan (Glen) Xin , <i>University of Edinburgh</i>	2026 – present
Zuchen Li , <i>University of Michigan</i>	2025 – present
Jiaye Tan , <i>University of Michigan</i>	2024 – 2025
Yangfan He , <i>University of Minnesota</i>	2024 – 2025
Oliver Camp , <i>University of Michigan</i>	2025
Wanning Lu , <i>UC San Diego</i> , NSF Early Research Scholars Program (ERSP)	2023 – 2024
Hoang Phan , <i>UC San Diego</i> , NSF Early Research Scholars Program (ERSP)	2023 – 2024
Diego Reyes , <i>UC San Diego</i> , NSF Early Research Scholars Program (ERSP)	2023 – 2024

Career Mentoring

WiMIR Mentoring Program , <i>Women in Music Information Retrieval</i>	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 – 2024

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

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–), *AAAI* (2025, 2027), *ICLR* (2024–2025), *ICASSP* (2024–2025), *NLP4MusA* (2024), *CHI Late-Breaking Work* (2022), *ISMIR Late-Breaking Demos* (2021)**Journal Reviewer**, *TASLP* (2023–), *EURASIP JASIS* (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

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

— Last updated on Sep 10, 2026 —