

Jintang Xue

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EDUCATION

University of Southern California Ph.D. Student in Electrical and Computer Engineering Advisor: Professor C.-C. Jay Kuo	Los Angeles, United States 08/2023 - Present
University of Southern California M.S. in Electrical and Computer Engineering (Honors)	Los Angeles, United States 08/2021 - 05/2023
Shanghai University B.S. in Electrical Engineering	Shanghai, China 09/2017 - 06/2021

EMPLOYMENT

Research Assistant at University of Southern California Advisor: Professor C.-C. Jay Kuo	Los Angeles, United States 08/2023 - Present
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TEACHING ASSISTANT AND COURSE MENTORSHIP

EE569: Introduction to Digital Image Processing Instructor: Professor C.-C. Jay Kuo	Spring 2023
EE559: Machine Learning I: Supervised Methods Instructor: Professor Keith Jenkins	Spring 2024

PUBLICATIONS

- [1] **Jintang Xue**, Yun-Cheng Wang, Chengwei Wei, Xiaofeng Liu, Jonghye Woo, C.-C. Jay Kuo, "Bias and Fairness in Chatbots: An Overview," accepted for publication in *APSIPA Transactions on Signal and Information Processing*.
- [2] Yun-Cheng Wang, **Jintang Xue**, Chengwei Wei, and C.-C. Jay Kuo, "An overview on generative AI at scale with edge-cloud computing," *IEEE Open Journal of the Communications Society*, Vol. 4, pp. 2952-2971, 2023.
- [3] Min Zhang*, **Jintang Xue***, Pranav Kadam, Hardik Prajapati, Shan Liu and C.-C. Jay Kuo, "A tiny machine learning model for point cloud object classification," *APSIPA Transactions on Signal and Information Processing*, Vol. 12, No. 1, e35, 2023. (* denotes equal contribution.)
- [4] Pranav Kadam, Handik Prajapati, Min Zhang, **Jintang Xue**, Shan Liu and C.-C. Jay Kuo, "S3I-pointhop: SO(3)-invariant pointhop for 3D point cloud classification," *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Rhodes Island, Greece, June 4-9, 2023.
- [5] Masatomo Kaneko, Vasileios Magoulianitis, Lorenzo Storino Ramacciotti, Alex Raman, Divyangi Paralkar, Andrew Chen, Timothy N. Chu, Yijing Yang, **Jintang Xue**, Jiaxin Yang, Jinyuan Liu, Donya S. Jadvar, Karanvir Gill, Giovanni E Cacciamani, Chrysostomos L Nikias, Vinay Duddalwar, C-C Jay Kuo, Inderbir Gill, and Andre Luis Abreu, "The novel green learning artificial intelligence for prostate cancer imaging: a balanced alternative to deep learning and radiomics," *Urological Clinics of North America*, <https://doi.org/10.1016/j.ucl.2023.08.001>, August 2023.
- [6] Masatomo Kaneko, Giovanni E Cacciamani, Yijing Yang, Vasileios Magoulianitis, **Jintang Xue**, Jiaxin Yang, Jinyuan Liu, Maria Sarah L Lenon, Passant Mohamed, Darryl H Hwang, Karan Gill, Manju Aron, Vinay Duddalwar, Suzanne L Palmer, C-C Jay Kuo, Andre Luis Abreu, Inderbir Gill, and Chrysostomos L Nikias, "MP09-05 Automated prostate gland and prostate zones segmentation using a novel MRI-based machine learning framework and creation of software interface for users annotation," *the Journal of Urology*, Vol. 209, Issue Supplement 4, Page e105, April 2023.

[7] Masatomo Kaneko, Giovanni E Cacciamani, Vasileios Magoulianitis, Yijing Yang, **Jintang Xue**, Jiaxin Yang, Jinyuan Liu, Maria Sarah L Lenon, Passant Mohamed, Darryl H Hwang, Karan Gill, Manju Aron, Vinay Duddalwar, Suzanne L Palmer, C-C Jay Kuo, Inderbir Gill, Andre Luis Abreu, and Chrysostomos L Nikias, "MP55-20 A novel machine learning framework for automated detection of prostate cancer lesions confirmed on MRI-informed target biopsy," *the Journal of Urology*, Vol. 209, Issue Supplement 4, page e771, April 2023.

PROFESSIONAL SERVICES AND MEMBERSHIPS

- Student member, *IEEE, Signal Processing and Communication Society*, since 2023.

COURSEWORK

Courses Taken at University of Southern California and Qualified to Teach

- EE510: Linear Algebra for Engineering
- EE503: Probability for Electrical and Computer Engineers
- EE559: Machine Learning I: Supervised Methods
- EE569: Introduction to Image Signal Processing
- EE669: Multimedia Compression
- EE483: Introduction to Digital Signal Processing
- EE562: Random Processes in Engineering
- CSCI585: Database Systems

TECHNICAL SKILLS

- **Languages:** Mandarin (Native), English (Proficient).
- **Programming Languages:** Python, Java, C/C++, JavaScript, CSS, HTML, Matlab, Verilog, LATEX.
- **Software:** Git, PyTorch, TensorFlow, Huggingface, scikit-learn, XGBoost, nltk, OpenCV, Neo4j, React.js.