

Henry Li Xinyuan

✉ xinyuan.li1301@gmail.com • 🌐 hstehstehste.github.io

🔗 <https://scholar.google.com/citations?user=tyKMv8MAAAAJ&hl=fr>

About

- PhD Student at Johns Hopkins University, Center for Speech and Language Processing.
- Advised by Sanjeev Khudanpur
- Focus areas : Voice Conversion, TTS, Adversarial Robustness, Speech Recognition, Speech Translation

Education

Johns Hopkins Whiting School of Engineering <i>PhD in Electrical and Computer Engineering</i>	Baltimore, Maryland Sep. 2022–
Johns Hopkins Whiting School of Engineering <i>MSE in Computer Science</i>	Baltimore, Maryland Jan. 2021– May. 2022
University of Oxford <i>BA Mathematics and Computer Science</i>	Oxford, United Kingdom 2016–2019

Publications

2025	
Scalable Controllable Accented TTS <i>Henry Li Xinyuan, Z. Cai, A. Garg, K. Duh, L.P. García-Perera, S. Khudanpur, N. Andrews, M. Wiesner</i>	ASRU 2025 Aug. 2025
HLTCOE Submission to the VoicePrivacy Attacker Challenge <i>Henry Li Xinyuan, Z. Cai, A. Garg, K. Duh, L.P. García-Perera, S. Khudanpur, N. Andrews, M. Wiesner</i>	ICASSP 2025 Apr. 2025
GenVC: Self-Supervised Zero-Shot Voice Conversion <i>Z. Cai, Henry Li Xinyuan, A. Garg, K. Duh, L.P. García-Perera, S. Khudanpur, N. Andrews, M. Wiesner</i>	ASRU 2025 Feb. 2025
ShiftySpeech: A Large-Scale Synthetic Speech Dataset with Distribution Shifts <i>A. Garg, Z. Cai, Henry Li Xinyuan, K. Duh, L.P. García-Perera, S. Khudanpur, N. Andrews, M. Wiesner</i>	ASRU 2025 Feb. 2025
2024	
HLTCOE JHU Submission to the Voice Privacy Challenge 2024 <i>Henry Li Xinyuan, Z Cai, A Garg, K Duh, Leibny Paola García, S Khudanpur, N Andrews, M Wiesner</i> Best Paper at Voice Privacy Challenge 2024	VPC 2024, SPSC 2024 Sep. 2024
Clean Label Attacks against SLU Systems <i>Henry Li Xinyuan, Sonal Joshi, Thomas Thebaud, Jesus Villalba, Najim Dehak, Sanjeev Khudanpur</i>	IEEE SLT 2024 Dec. 2024
Privacy versus Emotion Preservation Trade-offs in Emotion-Preserving Speaker Anonymization <i>Zexin Cai, Henry Li Xinyuan, A Garg, Leibny Paola García, K Duh, S Khudanpur, N Andrews, M Wiesner</i>	IEEE SLT 2024 Dec. 2024
JHU IWSLT 2024 Dialectal and Low-resource System Description <i>NR Robinson, K Sun, C Xiao, N Bafna, W Tan, H Xu, Henry Li Xinyuan, ...</i>	IWSLT 2024 Jul. 2024
2023	
Clustering Unsupervised Representations as Defense Against Poisoning Attacks <i>Thomas Thebaud, Sonal Joshi, Henry Li, Martin Sustek, Jesús Villalba, Sanjeev Khudanpur, Najim Dehak</i>	ASRU 2023 Dec. 2023

Joint Energy-Based Model for Robust Speech Classification System Against Poisoning Attacks <i>Martin Sustek, Sonal Joshi, Henry Li, Thomas Thebaud, Jesús Villalba, Sanjeev Khudanpur, Najim Dehak</i>	ASRU 2023 <i>Dec. 2023</i>
HK-LegCoST: Leveraging Non-Verbatim Transcripts for Speech Translation <i>Cihan Xiao, Henry Li Xinyuan, Jinyi Yang, Dongji Gao, Matthew Wiesner, Kevin Duh, Sanjeev Khudanpur</i>	Interspeech 2023 <i>Dec. 2023</i>
JHU IWSLT 2023 Multilingual Speech Translation System Description Henry Li Xinyuan , Neha Verma, Bismarck Bamfo Odoom, Ujala Pradeep, Matthew Wiesner, Sanjeev Khudanpur Ranked 1st in the IWSLT ACL 60-60 initiative, unconstrained track	IWSLT 2023 <i>Jul. 2023</i>
Learning a Formality-Aware Japanese Sentence Representation Henry Li Xinyuan , Ray Lee, Jerry Chen, Kelly Marchisio	<i>Jan. 2023</i>

Other Projects

Submission to the Generative Design in Minecraft (GDMC)	GDMC 2022 <i>May. 2022</i>
The Phonology of consonant voicing in Shanghainese	JHU, Term Paper <i>May. 2021</i>
Approximate solutions for the Multi-Commodity Flow problem: a survey	JHU, Term Paper <i>May. 2021</i>
Voice Control Rave Goggles	Oxford Hack 2017 <i>Nov. 2017</i>

Contribution to Open Source Projects

K2 Icefall, Lhotse : Added new recipe to speech toolkit.	<i>Jan 2024</i>
Adversarial Robustness Toolbox : Implemented clean label poisoning attacks in the audio domain.	<i>Feb 2024</i>

Experience

Work Experience	
Research Intern <i>Microsoft Applied Sciences Group (ASG)</i>	Redmond, Washington <i>Jun. 2025–Sep 2025</i>
Visiting Research Scholar <i>Human Language Technology Center of Excellence (HLTCOE)</i>	Baltimore, Maryland <i>Jun. 2023–Aug 2023</i>
Graduate Research Assistant <i>Johns Hopkins University Center for Language and Speech Processing</i>	Baltimore, Maryland <i>Sep. 2021–Present</i>
Course Assistant : CS 601.645 Natural Language Processing <i>Johns Hopkins University</i>	Baltimore, Maryland <i>Sep. 2022–Dec. 2022, Sep. 2023–Dec. 2023</i>
Course Assistant : EN 520.666 Information Extraction from Speech and Text <i>Johns Hopkins University</i>	Baltimore, Maryland <i>Sep. 2022–Dec. 2022, Sep. 2023–Dec. 2023</i>
Architecture Intern <i>NVIDIA</i>	Shanghai, China <i>Oct. 2019–Jan. 2021</i>
Other	
Conference Paper Reviewer <i>ICASSP, LREC-COLING, INTERSPEECH</i>	<i>Jan. 2024–Present</i>

Student Researcher*Frederick Jelinek Memorial Summer Workshop (JSALT)***Baltimore, Maryland***Jun. 2022–Aug. 2022***Director General***Oxford Global Education Development Ltd.***Oxford, United Kingdom***Feb. 2019–Dec. 2019***Topology Seminar TA***Harvard Summit for Young Leaders in China***Shanghai, China***Aug. 2018*

Languages

Chinese(Mandarin), Shanghainese, English, French: Native or Fluent**Italian:** Basic