

Maozheng Zhao, PhD student

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RESEARCH AREA

My current research focuses on multi-modal human-computer interaction, specifically combining modalities such as touch, voice, eye gaze with AI and deep learning models for more natural and efficient interaction experience.

EDUCATION

Aug 2016 — Present	PhD candidate, Stony Brook University Major: Computer Science Advisors: Prof. Xiaojun Bi and Prof. I.V. Ramakrishnan.	Stony Brook, USA
Aug 2013 — Mar 2016	M.S., Beijing University of Posts and Telecommunications Major: Information and Communication Engineering Recipient of national scholarship for graduate students (3%), 2015	Beijing, China
Aug 2009 — Jun 2013	B.S., Harbin Engineering University Major: Electronic and Information Engineering Recipient of first-class scholarship for outstanding students, 2010, 2011, 2012 Excellent undergraduate's thesis in Harbin Engineering University (5%).	Harbin, China

PUBLICATIONS

- [1] **Zhao, Maozheng**, Wenzhe Cui, I.V. Ramakrishnan, Shumin Zhai, and Xiaojun Bi. 2021. Voice and Touch Based Error-tolerant Multimodal Text Editing and Correction for Smartphones. In The 34th Annual ACM Symposium on User Interface Software and Technology (UIST '21), October 10–14, 2021, Virtual Event, USA. ACM, New York, NY, USA, 17 pages. <https://doi.org/10.1145/3472749.3474742>
 - [2] Li, Zhi, **Maozheng Zhao**, Yifan Wang, Sina Rashidian, Furqan Baig, Rui Liu, Wanyu Liu et al. "BayesGaze: A Bayesian Approach to Eye-Gaze Based Target Selection." In *Graphics Interface 2021*. 2021.
 - [3] Nguyen, Vu, Tomas F. Yago Vicente, **Maozheng Zhao**, Minh Hoai, and Dimitris Samaras. "Shadow detection with conditional generative adversarial networks." In *Proceedings of the IEEE International Conference on Computer Vision*, pp. 4510-4518. 2017.
 - [4] **Zhao, Maozheng**, Qin Tu, Yanping Lu, Yongyu Chang, and Bo Yang. "No-reference image quality assessment based on phase congruency and spectral entropies." In *2015 Picture Coding Symposium (PCS)*, pp. 302-306. IEEE, 2015.
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SKILLS

iOS development with Swift	Android development with Java
Deep learning tools Pytorch and TensorFlow	

TEACHING EXPERIENCE

Teaching Assistance
CSE323 human-computer interaction, CSE214 data structures and CSE215 foundations of computer science.