Xue Wang

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EDUCATION

2022 – Now **University of California, Los Angeles**
PhD in Electrical and Computer Engineering, Advisor: Dr. Yang Zhang

2019 – 2021 **Cornell University**
M.Eng. in Electrical and Computer Engineering, Advisor: Dr. Bruce Land

2015 – 2019 **Shanghai University**
B.Eng. in Information Engineering, Advisor: Dr. Bofeng Zhang

PUBLICATIONS

CHI'24 **Xue Wang**, Zixiong Su, Jun Rekimoto and Yang Zhang. 2024. Watch Your Mouth: Silent Speech Recognition with Depth Sensing. In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems.

IMWUT'24 **Xue Wang** and Yang Zhang. 2024. TextureSight: Texture Detection for Routine Activity Awareness with Wearable Laser Speckle Imaging. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies.

IMWUT'23 Xiaoying Yang, **Xue Wang**, Gaofeng Dong, Zihan Yan, Mani Srivastava, and Yang Zhang. 2023. Headar: Sensing Head Gestures for Confirmation Dialogs on Smartwatches with Wearable Millimeter-Wave Radar. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies.

IMWUT'23 Abul Al Arabi, **Xue Wang**, Yang Zhang, and Jeeeun Kim. 2023. E3D: Harvesting Energy from Everyday Kinetic Interactions Using 3D Printed Attachment Mechanisms. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies.

UIST'22 Siyou Pei, Pradyumna Chari, **Xue Wang**, Xiaoying Yang, Achuta Kadambi and Yang Zhang. 2024. Forcesight: Non-contact force sensing with laser speckle imaging. In Proceedings of the 35th Annual ACM Symposium on User Interface Software and Technology.

CHI'21 **Xue Wang** and Yang Zhang. 2021. Nod-to-Auth: Fluent AR/VR Authentication with User Head-Neck Modeling. Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems.

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PATENTS

2024   Systems and Methods for Performing Speech Detection using Depth Images.
2023   Systems and Methods of Non-Contact Force Sensing, *US2023071190*.

AWARDS

2023   Division of Graduate Education Award, *UCLA*
2022   Honorable Mention Award for ForceSight Demo, *UIST*
2022   Travel Award, *UIST*

PROFESSIONAL EXPERIENCES

2023   ECE 209AS Engineering Interactive Systems, *Teaching Assistant, UCLA*
2021   Ernst & Young, *Technology Consultant in Cybersecurity, Beijing & Shanghai*
2020   ByteDance, *Software Development Intern, Shanghai*
2017   Shanghai Media Group, *Software Development Intern, Shanghai*

PAPER REVIEWING

2024   IMWUT
2023   CHI, IMWUT
2021   CHI

SKILLS

Programing   Python, Java, C, C++, MATLAB, OCaml
Framework   Pytorch, Tensorflow, Unity, Android, iOS, Linux, Arduino
Language   Chinese, English, and French