

EDUCATION

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|---|------------------------|
| McCormick School of Engineering, Northwestern University | Evanston, USA |
| <i>Ph.D. in Computer Science</i> | 2025 - 2030 (expected) |
| <ul style="list-style-type: none"> • Advisor: Prof. Karan Ahuja • Research area: Human Computer Interaction | |
| GRASP Lab, University of Pennsylvania | Philadelphia, USA |
| <i>M.S.E. in Robotics</i> | 2023 - 2025 |
| <ul style="list-style-type: none"> • GPA: 4.00/4.00, Rank: 1/64. | |
| School of Mechanical Engineering, Xi'an Jiaotong University | Xi'an, China |
| <i>B.E. in Industrial Design</i> | 2019 - 2023 |
| <ul style="list-style-type: none"> • GPA: 3.86/4.30, Rank: 1/21. | |

PUBLICATIONS

2. Shan-Yuan Teng*, Gene Kim*, **Xuanyou Liu***, Pedro Lopez (*equal contribution). Seeing with the Hands: A Sensory Substitution That Supports Manual Interactions. *Conference on Human Factors in Computing Systems*, 2025. [\[DOI\]](#)
1. Hongnan Lin, **Xuanyou Liu**, Shengsheng Jiang, Qi Wang, Ye Tao, Guanyun Wang, Wei Sun, Teng Han, and Feng Tian. TacTex: A Textile Interface with Seamlessly-Integrated Electrodes for High-Resolution Electrotactile Stimulation. *Conference on Human Factors in Computing Systems*, 2024. [\[DOI\]](#)

PROJECTS

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| Compact Electrotactile Module for Wearable Haptic Interfaces [LINK] | |
| <i>Independent Study, University of Pennsylvania</i> | 2024.08 - 2024.012 |
| Variable Topology Trusses Robot [LINK] | |
| <i>ModLab, University of Pennsylvania</i> | 2024.01 - 2024.05 |
| Ins-Bucks Food 3D Printer Design - Most Innovative Award [LINK] | |
| <i>RCA-Imperial Design for Global Challenges Competition</i> | 2021.06 - 2021.07 |

INTERNSHIPS

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| Luxottica Tristar Optical Co., Ltd. Dongguan, China | 2020.07 - 2020.09 |
| <ul style="list-style-type: none"> • Position Title: Intern, Component Factory • Enhanced lost-wax casting processes by adjusting key parameters and tooling. • Optimized the Ladder Logic Programming Language of the production line. | |

AWARDS AND HONORS

- **TGS First-Year Fellowship**, Northwestern University 2025.07
- **GAPSA Professional Student Travel Award**, University of Pennsylvania 2025.04
- **Outstanding Graduate**, Xi'an Jiaotong University 2023.07
- **Outstanding Student Leader**, Xi'an Jiaotong University 2023.07
- **2nd National Price**, National Chemical Engineering Design Competition 2022.08

TEACHING AND LEADERSHIP

Funder & Volunteer: *United Nations Children's Fund (UNICEF)*.
Teaching Assistant: *ESE5190 Smart Devices, University of Pennsylvania*.
Code Instructor: *Fife-Penn CS Academy*.
Student Representative: *Global Youth Forum 2021, International Labor Organization*.