

Violet Yinuo Han

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RESEARCH INTEREST

I am interested in **creating novel interfaces and interactions beyond current flat screen devices for everyday users in the near future**. I reflect on our daily interactions within the physical and digital domains, to push their boundaries and bring advantages of one into another.

EDUCATION

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| PhD Student, Carnegie Mellon University, School of Computer Science advised by Professor Alexandra Ion | Started August 2023 |
| M.S., Carnegie Mellon University | Graduated May 2023 |
| B.F.A., University of Michigan | Graduated May 2020 |

PUBLICATIONS

- [1] **Robotic Metamaterials: A Modular System for Hands-On Configuration of Ad-Hoc Dynamic Applications.**
Zhitong Cui, Shuhong Wang, **Violet Yinuo Han**, Tucker Rae-Grant, Willa Yunqi Yang, Alan Zhu, Scott E Hudson, Alexandra Ion. In Proceedings of CHI'24, Honolulu, HI. May.11 - May.16, 2024.
- [2] **Parametric Haptics: Versatile Geometry-based Tactile Feedback Devices.**
Violet Yinuo Han, Abena Boadi-Agyemang, Yuyu Lin, David Lindlbauer, Alexandra Ion. In Proceedings of UIST'23, San Francisco, CA. Oct.29 - Nov.1, 2023.
- [3] **BlendMR: A Computational Method to Create Ambient Mixed Reality Interfaces.**
Violet Yinuo Han, Hyunsung Cho, Kiyosu Maeda, Alexandra Ion, David Lindlbauer. In Proceedings of ISS'23, Pittsburgh, PA. Nov.5 - Nov.8, 2023. [**Best Paper Award**]
- [4] **Permeable Thermistor Temperature Sensors Based on Porous Melamine Foam.**
Hugo de Souza Oliveira, Niloofar Saeedzadeh Khaanghah, **Violet Yinuo Han**, Alejandro Carrasco-Pena, Alexandra Ion, Michael Haller, Giuseppe Cantarella, Niko Münzenrieder. In IEEE Sensors Letters, Vol. 7, No. 5, pp. 1-4, Art no. 2500904, May 2023.

TEACHING EXPERIENCE

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| Computational Perception, Carnegie Mellon University <i>Instructor:</i> Prof. Tai Sing Lee | August - December 2022 |
| <ul style="list-style-type: none">This course investigates human visual perception with computational models. I hosted weekly office hours, created, updated, and graded homework assignments. I created lecture notes to better facilitate students' learning. | |

AWARDS AND GRANTS

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| Snap Creative Challenge Award (10k) with Prof. David Lindlbauer and Dr. Yukang Yan | 2022 |
| Carnegie Mellon University SoA Commendation | 2022 |
| Carnegie Mellon University SoA Travel Grant | 2022 |
| Carnegie Mellon University SoA Merit Scholarship (10k) | 2021 |
| Dartmouth College Scholarship (35% of tuition) | 2021 |
| UC Berkeley MDes Distinguished Scholar Award (10k) | 2021 |
| University of Michigan University Honors | 2020 |
| University of Michigan University Honors | 2018 |

ACADEMIC SERVICES

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| CHI Assistant to Session Chair | 2024 |
| UIST Student Volunteer | 2022 |