

# Violet Yinuo Han

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## RESEARCH INTEREST

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

## PUBLICATIONS

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- [1] **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.
- [2] **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**]
- [3] **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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<b>Computational Perception, Carnegie Mellon University</b> <i>Instructor:</i> Prof. Tai Sing Lee	August - December 2022
<ul style="list-style-type: none"><li>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.</li></ul>	

## AWARDS AND GRANTS

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

## ACADEMIC SERVICES

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<b>UIST Student Volunteer</b>	2022
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