

Shuo Feng - CV

PHD student, Cornell Tech
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<https://www.shuofeng.org/>

Education

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| Ph.D. Information Science
Cornell Tech, NYC, USA
Advisor: Prof. Thijs Roumen. | 2023-now |
| Master of Science - MS Matter Design Computation
Cornell University, NYC, USA
Advisor: Prof. Jenny Sabin and Prof. Saleh Kalantari. | 2021-2023 |
| Master of Architecture - MArch
SCI-ARC, LA, USA
Advisor: Casey Rehm | 2019-2021 |

Research Experience

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| Matter of Tech Lab , PHD student((HCI & Interactive Tool Design))
Cornell University, NYC, USA
Advisor: Prof. Thijs Roumen | 2023-now |
| PiTech PhD Impact Fellowship
<i>NYC Mayor's Office of Climate & Environmental Justice</i>
Advisor: Dr. Hayley Elszasz | 2025 Jun – 2025 Sep |
| Sabin Lab , Research Associate
Cornell University, NY, USA
Advisor: Prof. Jenny Sabin | 2022-2023 |
| Design and Augmented Intelligence Lab (DAIL) , Research Associate
Cornell University, NY, USA
Advisor: Prof. Saleh Kalantari. | 2022-2023 |
| Robotic Construction Lab , Research Associate
Cornell University, NY, USA
Advisor: Prof. Sasa Zivkovic | 2021-2022 |

Publication

Shuo Feng, Xuening Wang, Yifan (Lavenda)Shan, Krista U Singh, Bo Liu, Amritansh Kwatra, Ritik Batra, Tobias M Weinberg, Thijs Roumen. CAMEleon: Comparing Fabrication Workflows in CAD, **In submission to ACM CHI**, <https://arxiv.org/abs/2410.18299>

Shuo Feng, Bo Liu, Yifan (Lavenda)Shan, Roy Zunder, Wei-Che Lin, Tri Dinh, Harald Haraldsson, Ofer Berman, Thijs Roumen. Y-AR: A Mixed Reality CAD Tool for 3D Wire Bending, **ACM Symposium on Computational Fabrication (SCF 2025)**, <https://dl.acm.org/doi/10.1145/3745778.3766654>;

Qi Yang, **Shuo Feng**, Tianlin Zhao, Saleh Kalantari. Design with myself: A brain–computer interface design tool that predicts live emotion to enhance metacognitive monitoring of designers, **International Journal of Human-Computer Studies**2024

Zekun Chang, Yixuan Gao, Yuta Noma, **Shuo Feng**, Xinyi Yang, Kazuhiro Shinoda, Tung D Ta, Koji Yatani, Tomoyuki Yokota, Takao Someya, Yoshihiro Kawahara, Koya Narumi, Francois Guimbretiere, Thijs Roumen. OriStitch: A Machine Embroidery Workflow to Turn Existing Fabrics into Self-Folding 3D Textiles, **ACM Symposium on Computational Fabrication (SCF 2025)**. <https://arxiv.org/abs/2412.02891>

Shuo Feng, Saleh Kalantari, Jenny Sabin. Emotive Room: A BCI Interactive Architectural Interface, **ACADIA2023** https://papers.cumincad.org/cgi-bin/works/paper/acadia23_v2_494

Exhibited Work

SCI-ARC Grad Thesis Exhibition. Southern California Institute of Architecture. (2021)

Honors and Awards

[PiTech PhD Impact Fellowship, NYC Mayor's Office of Climate & Environmental Justice](#) (2025)

[XR Collaboratory Prototyping Grant](#) (\$25,000) (2024)

Matter Design Computation Scholarship, Cornell University (\$40,000) (2021 - 2023)

The Winner of Architectural Design Category: Commercial Building Award, Gaudi Architecture Prize. (2020).

Honorable mention, Jurassic Camp House competition. (2020)

Temporary and Movable Building Columns Silver Award Second place, 16th Asian DesignAcademic Year Award. (2018)

Teaching

Teaching Assistant (during PhD)

INFO 6410 HCI and Design (fall 2024)

INFO 5915 Remaking the City (spring 2024)

CS 5304 Data Science in the Wild (spring 2025)

INFO 6410 HCI and Design (fall 2025)

Invited Talks

Cornell Tech, XR Collaboratory

(2024)

Carnegie Mellon University, 62-706 Generative Systems for Design

(2024)