Zeyu Yan

University of Maryland, College Park
8125 Paint Branch Dr.
College Park, MD, 20706 US

412.628.3948 | Email: zeyuy@umd.edu
URL: zeyuyan.com

Education

2019- PH.D. in Computer Science, University of Maryland, College Park
2017-2019 M.S. in Mechanical Engineering, Carnegie Mellon University
2013-2017 B.S. in Mechanical Engineering, Zhejiang University

Publications

2021 **Zeyu Yan**, Jiasheng Li, Ebrima Haddy Jarjue, Ashrith Shetty, Huaishu Peng. 2021. TangibleGrid: Tangible Web Layout Design for Blind Users. In *the Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems.* Association for Computing Machinery, New York, NY, USA. (*CHI '22*). (Full Paper, under review)

2021 **Zeyu Yan** and Huaishu Peng. 2021. FabHydro: Printing Interactive Hydraulic Devices with an Affordable SLA 3D Printer. In *The 34th Annual ACM Symposium on User Interface Software and Technology* (*UIST '21*). Association for Computing Machinery, New York, NY, USA, 298–311. DOI:https://doi.org/10.1145/3472749.3474751 (Full Paper)

2020 **Zeyu Yan**, Anup Sathya, Pedro Carvalho, Yongquan Hu, Annan Li, and Huaishu Peng. 2021. Towards On-the-wall Tangible Interaction: Using Walls as Interactive, Dynamic, and Responsive User Interface. *Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems.* Association for Computing Machinery, New York, NY, USA, Article 233, 1–6. DOI:https://doi.org/10.1145/3411763.3451586

2018 Guanyun Wang, Humphrey Yang, **Zeyu Yan**, Nurcan Gecer Ulu, Ye Tao, Jianzhe Gu, Levent Burak Kara, and Lining Yao. 2018. 4DMesh: 4D Printing Morphing Non-Developable Mesh Surfaces. In textitProceedings of the 31st Annual ACM Symposium on User Interface Software and Technology (*UIST '18*). Association for Computing Machinery, New York, NY, USA, 623–635. DOI:https://doi.org/10.1145/3242587.3242625 (Full Paper)

Non-archived Works

2021 **Zeyu Yan** and Huaishu Peng. 2021. Demonstration of FabHydro: 3D Printing Techniques for Interactive Hydraulic Devices with an Affordable SLA 3D Printer. In *The Adjunct Publication of the 34th Annual ACM Symposium on User Interface Software and Technology* (*UIST '21*). Association for Computing Machinery, New York, NY, USA, 95–96. DOI:https://doi.org/10.1145/3474349.3480180

2019 Danli Luo, Guanyun Wang, **Zeyu Yan**, Jack Forman, Lining Yao. 2019. Biomimetic Morphing Helix. (Poster) Presented at *the ACM Symposium on Computational Fabrication* (*SCF '19*).

2019 Humphrey Yang, **Zeyu Yan**, Danli Luo, Lining Yao. 2019. FoamFactor: Hydrogel-Foam Composite with Tunable Stiffness and Compressibility. https://arxiv.org/abs/2103.12645