Yunyi Zhu - CV

Ph.D. Candidate
MIT Electrical Engineering & Computer Science Department
MIT Computer Science and Artificial Intelligence Lab
32 Vassar Street, Cambridge, MA 02139 USA, Room 32-211
yunyizhu@mit.edu, www.yunyizhu.info

Education

Massachusetts Institute of Technology, Cambridge, MA   2021 - now
Ph.D. in Computer Science
MIT EECS Department
Advisor: Professor Stefanie Mueller

Massachusetts Institute of Technology, Cambridge, MA   2020 - 2021
MEng. in Computer Science
MIT EECS Department
Advisor: Professor Stefanie Mueller

Massachusetts Institute of Technology, Cambridge, MA   2016 - 2020
S.B. in Computer Science and Engineering
MIT EECS Department
Minor in Design
Advisor: Professor Stefanie Mueller

Publications

[4]   Jiani Zeng*, Honghao Deng*, **Yunyi Zhu***, Michael Wessely, Axel Kilian and Stefanie Mueller. Lenticular Objects: 3D Printed Objects with Lenticular Lens Surfaces that Can Change their Appearance Depending on the Viewpoint. In *Proceedings of ACM UIST 2021*. [* equal contribution]

[3]   Junyi Zhu, **Yunyi Zhu**, Jiaming Cui, Leon Cheng, Jackson Snowden, Mark Chounlakone, Michael Wessely and Stefanie Mueller. MorphSensor: A 3D Electronic Design Tool for Reforming Sensor Modules. In *Proceedings of ACM UIST 2020*.

[2]   Junyi Zhu, Lotta-Gili Blumberg, **Yunyi Zhu**, Martin Nisser, Ethan Levi Carlson, Xin Wen, Kevin Shum, Jessica Ayeley Quaye, and Stefanie Mueller. CurveBoards: Integrating Breadboards into Physical Objects to Prototype Function in the Context of Form. In *Proceedings of ACM CHI 2020*.

[1]   Mustafa Doga Dogan, Ahmad Taka, Michael Lu, **Yunyi Zhu**, Akshat Kumar, Aakar Gupta, Stefanie Mueller. InfraredTags: Invisible AR Markers & Barcodes Using Low-Cost, Infrared-Based 3D Printing & Imaging Tools. In *Proceedings of ACM CHI 2022*.

Conference Service

Reviewer

ACM UIST	2022
ACM TEI	2021
ACM SCF	2022
ACM C&C	2022
ACM CHI EA	2022

Student Volunteer

ACM CHI	2022

Research Internships

Kawahara Lab, The University of Tokyo   2022
Visiting Graduate Student
Advisor: Koya Narumi

Software Design Group, MIT CSAIL   2019 - 2020
Undergraduate Research Assistant
Advisor: Daniel Jackson

HCI Engineering Group, MIT CSAIL   2018 - 2019
Undergraduate Research Assistant
Advisor: Stefanie Mueller

MIT Game Lab, MIT Media Lab   2017
Undergraduate Research Assistant
Advisor: Philip Tan

Industry Experience

Mayflower Venues, Charlestown, MA   2018
Web Development Intern, supervisor: Wesley Ripley

Lark Health, Mountain View, CA   2018
Software Engineering Intern, supervisor: Jeff Zira

Awards

Jacobs Presidential Fellowship, MIT EECS		2021
EECS Licklider Best Undergraduate Research Award, MIT EECS		2021
Best SuperUROP Award, MIT EECS		2019
Leiserchess Performance Engineering Award, MIT 6.172		2018

Mentoring

Research Project Students

[1]	Grace Tang	2021-2022
[2]	Luca Musk	2022
[3]	Kyle Heinz	2022
[4]	Angelina Zheng	2022

Teaching Assistantship

6.033	**Computer Systems Engineering**, MIT	2020, 2021
6.046	**Design and Analysis of Algorithms**, MIT	2020