

# Junyi Zhu - CV

Assistant Professor  
Electrical Engineering & Computer Science Department  
University of Michigan  
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## Education

- Massachusetts Institute of Technology, USA** 2019 - 2024  
Ph.D. in Computer Science  
MIT EECS Department, MIT Computer Science and Artificial Intelligence Lab  
Advisor: Professor Stefanie Mueller
- Massachusetts Institute of Technology, USA** 2017 - 2019  
Master of Science in Computer Science  
MIT EECS Department, MIT Computer Science and Artificial Intelligence Lab  
Advisor: Professor Stefanie Mueller
- University of Washington, USA** 2013 - 2017  
Bachelor of Science in Electrical Engineering  
Department of Electrical & Computer Engineering  
Advisor: Professor Joshua R. Smith, Professor Shwetak N. Patel

## Full Paper Publications

- [21] Tianyu Xu, Sieun Kim, Qianhui Zheng, Ruoyu Xu, Tejasvi Ravi, Anuva Kulkarni, Katrina Passarella-Ward, **Junyi Zhu**<sup>\*</sup>, and Adarsh Kowdle<sup>\*</sup>. MoXaRt: Audio-Visual Object-Guided Sound Interaction for XR. In *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26)*. ACM. (<sup>\*</sup>co-last authors)
- [20] Zisu Li, Ruohao Li, Jiawei Li, Chao Liu, **Junyi Zhu**, Daniela Rus, Chen Liang, and Mingming Fan. RealTwin: Concept Graph Representation and Grounding Framework for Reality-Preserving Digital Twin Reconstruction. In *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26)*. ACM.
- [19]  Devin Murphy, **Junyi Zhu**, Akshay Gadre, Antonio Torralba, Paul Pu Liang, Wojciech Matusik, and Yiyue Luo. WiReSens Toolkit: An Open-source Platform towards Accessible Wireless Tactile Sensing. In *Proceedings of the 20th International Conference on Tangible, Embedded, and Embodied Interaction (TEI '26)*. ACM. [**Best Demo Honorable Mention**]
- [18] Hongrui Wu<sup>\*</sup>, Feier Long<sup>\*</sup>, Hongyu Mao, JaeYoung Moon, **Junyi Zhu**<sup>†</sup>, Yiyue Luo<sup>†</sup>. BandEI: A Flexible Electrical Impedance Sensing Bandage for Deep Muscles and Tendons. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech. (UIST '25)*. ACM. (<sup>†</sup>co-last authors)
- [17] Marwa AlAlawi, Regina Zheng, SooYeon Ahn, Katherine Arianna Yan, Ticha Sethapakdi, **Junyi Zhu**<sup>\*</sup>, Stefanie Mueller<sup>\*</sup>. Meta-antenna: Mechanically Frequency Reconfigurable Metamaterial Antennas. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech. (UIST '25)*. ACM. (<sup>\*</sup>co-last authors)
- [16] **Junyi Zhu**, Tianyu Xu, Jiayu Wang, Emily Guan, JaeYoung Moon, Stiven Morvan, D Shin, Andrea Colaço, Stefanie Mueller, Karan Ahuja, Yiyue Luo, Ishan Chatterjee. EI-Lite: Electrical Impedance Sensing for Micro-gesture Recognition and Pinch Force Estimation.

In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech.* (UIST '25). ACM.

- [15] Yunyi Zhu, Cedric Honnet, Yixiao Kang, **Junyi Zhu**, Angelina Zheng, Kyle Heinz, Grace Tang, Luca Musk, Michael Wessely, Stefanie Mueller. PortaChrome: A Portable Contact Light Source for Integrated Re-Programmable Multi-Color Textures. In *Proceedings of the 37th Annual ACM Symposium on User Interface Software and Tech.* (UIST '24). ACM.
- [14] **Junyi Zhu**<sup>\*</sup>, Young Joong Lee<sup>\*</sup>, Yiyue Luo<sup>\*</sup>, Tianyu Xu, Chao Liu, Daniela Rus, Stefanie Mueller and Wojciech Matusik. Liquids Identification and Manipulation via Digitally Fabricated Impedance Sensors. In *2024 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE.
- [13] Alexander Kyu<sup>\*</sup>, Hongyu Mao<sup>\*</sup>, **Junyi Zhu**, Mayank Goel and Karan Ahuja. EITPose: Wearable and Practical Electrical Impedance Tomography for Continuous Hand Pose Estimation. In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)*. ACM.
- [12] Yiyue Luo, **Junyi Zhu**, Kui Wu, Cedric Honnet, Stefanie Mueller and Wojciech Matusik. MagKnitic: Machine-knitted Passive and Interactive Haptic Textiles with Integrated Binary Sensing. In *Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology (UIST '23)*. ACM.
- [11] Donghyeon Ko, Yoonji Kim, **Junyi Zhu**, Michael Wessely, Stefanie Mueller. FlexBoard: A Flexible Breadboard for Interaction Prototyping on Curved and Deformable Surfaces. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23)*. ACM.
- [10] Marwa AlAlawi, Noah Pacik-Nelson, **Junyi Zhu**, Ben Greenspan, Andrew Doan, Brandon M Wong, Benjamin Owen-Block, Shanti Mickens, Wilhelm Schoeman, Michael Wessely, Andreea Danielescu, Stefanie Mueller. MechSense: A Design and Fabrication Pipeline for Integrating Rotary Encoders into 3D Printed Mechanisms. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23)*. ACM.
- [9] **Junyi Zhu**, Yuxuan Lei, Aashini Shah, Gila R. Schein, Hamid Ghaednia, Joseph H. Schwab, Casper Hartevelde, Stefanie Mueller. MuscleRehab: Improving Unsupervised Physical Rehabilitation by Monitoring and Visualizing Muscle Engagement. In *Proceedings of the 35th Annual ACM Symposium on User Interface Software and Technology (UIST '22)*. ACM.
- [8] Yoonji Kim, **Junyi Zhu**, Mihir Trivedi, Dishita G. Turakhia, Ngai Hang Wu, Donghyeon Ko, Michael Wessely, Stefanie Mueller. SensorViz: Visualizing Sensor Data Across Different Stages of Prototyping Interactive Objects. In *Proceedings of the 2022 ACM Designing Interactive Systems Conference (DIS '22)*. ACM.
- [7] **Junyi Zhu**, Jackson Snowden, Joshua Verdejo, Emily Chen, Hamid Ghaednia, Joseph H. Schwab, Stefanie Mueller. EIT-kit: An Electrical Impedance Tomography Toolkit for Health and Motion Sensing. In *Proceedings of the 34th Annual ACM Symposium on User Interface Software and Technology (UIST '21)*. ACM.
- [6] **Junyi Zhu**, Yunyi Zhu, Jiaming Cui, Leon Cheng, Jackson Snowden, Mark Chounlakone, Michael Wessely, Stefanie Mueller. MorphSensor: A 3D Electronic Design Tool for

Reforming Sensor Modules. In *Proceedings of the 33rd Annual ACM Symposium on User Interface Software and Technology* (UIST '20). ACM.

- [5] **Junyi Zhu**, Lotta-Gili Blumberg, Yunyi Zhu, Martin Nisser, Ethan Carlson, Xin Wen, Kevin Shum, Jessica Quaye, Stefanie Mueller. CurveBoards: Integrating Breadboards into Physical Objects to Prototype Function in the Context of Form. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems* (CHI '20). ACM.
- [4] Martin Nisser, **Junyi Zhu**, Tianye Chen, Katarina Bulovic, Parinya Punpongsanon, Stefanie Mueller. Sequential Support: 3D Printing Dissolvable Support Material for Time-Dependent Mechanisms. In *Proceedings of the Thirteenth International Conference on Tangible, Embedded, and Embodied Interaction* (TEI '19). ACM.
- [3]  Edward Wang, **Junyi Zhu**, Mohit Jain, Tien-Jui Lee, Elliot Saba, Lama Nachman, Shwetak N. Patel. Seismo: Blood Pressure Monitoring using Built-in Smartphone Accelerometer and Camera. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems* (CHI '18). ACM. **[Best Paper Honorable Mention]**
- [2] Edward Wang, William Li, **Junyi Zhu**, Rajneil Rana, Shwetak N. Patel. Noninvasive hemoglobin measurement using unmodified smartphone camera and white flash. In *2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, Seogwipo, 2017.
- [1] Edward Wang, **Junyi Zhu**, William Li, Rajneil Rana, Shwetak Patel. HemaApp IR: noninvasive hemoglobin measurement using unmodified smartphone cameras and built-in LEDs. In *Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers* (UbiComp '17). ACM.

## Short Papers, Extended Abstracts & Demonstrations

- [14] Chankyu Han, Hongyu Mao, Qiuyue Xue, Ishan Chatterjee, Liang He, Xuhai Xu, **Junyi Zhu** and Yiyue Luo. Everyday Wearable for Personalized Health and Well-Being. In *Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems* (CHI EA '26). ACM.
- [13] Marwa AlAlawi, Regina Zheng, SooYeon Ahn, Katherine Arianna Yan, Ticha Sethapakdi, **Junyi Zhu**<sup>\*</sup>, Stefanie Mueller<sup>\*</sup>. Demonstration of Meta-antenna: Mechanically Frequency Reconfigurable Metamaterial Antennas. In *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Tech.* (UIST '25 Adjunct). ACM. (<sup>\*</sup>co-last authors)
- [12] Hongyu Mao, Alexander Kyu, **Junyi Zhu**, Mayank Goel, Karan Ahuja. Demo of EITPose: Wearable and Practical Electrical Impedance Tomography for Continuous Hand Pose Estimation. In *Adjunct Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology* (UIST'24 Adjunct). ACM.
- [11] Yunyi Zhu, Cedric Honnet, Yixiao Kang, **Junyi Zhu**, Angelina heng, Kyle Heinz, Grace Tang, Luca Musk, Michael Wessely, Stefanie Mueller. Demo of PortaChrome: A Portable Contact Light Source for Integrated Re-Programmable Multi-Color Textures. In *Adjunct Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology* (UIST'24 Adjunct). ACM.
- [10] Yunyi Zhu, Cedric Honnet, Yixiao Kang, **Junyi Zhu**, Angelina J. Zheng, Kyle Heinz, Grace Tang, Luca Musk, Michael Wessely and Stefanie Mueller. 2023. Demonstration of

- ChromoCloth: Re-Programmable Multi-Color Textures through Flexible and Portable Light Source. In *Adjunct Publication of the 36th Annual ACM Symposium on User Interface Software and Technology* (UIST '23 Adjunct). ACM.
- [9] Donghyeon Ko, Yoonji Kim, **Junyi Zhu**, Michael Wessely and Stefanie Mueller. 2023. Demonstration of FlexBoard: A Flexible Breadboard for Interaction Prototyping on Curved and Deformable Surfaces. In *Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems* (CHI EA '23). ACM
- [8] Xinyi Yang, Katarina Bulovic, Susanna Chen, **Junyi Zhu** and Stefanie Mueller. 2023. Azimuth Calculation and Telecommunication between VR Headset and Smartphones for Nearby Interaction. In *Proceedings of the Seventeenth International Conference on Tangible, Embedded, and Embodied Interaction* (TEI '23 Work in Progress). ACM.
- [7] **Junyi Zhu**. 2022. Design and Fabricate Personal Health Sensing Devices. In *Adjunct Publication of the 35th Annual ACM Symposium on User Interface Software and Technology* (UIST '22 Adjunct). ACM.
- [6] **Junyi Zhu**, Yuxuan Lei, Aashini Shah, Gila Schein, Hamid Ghaednia, Joseph H. Schwab, Casper Harteveld, Stefanie Mueller. Monitoring Muscle Engagement via Electrical Impedance Tomography for Unsupervised Physical Rehabilitation. In *Proceedings of the 35th Annual ACM Symposium on User Interface Software and Technology* (UIST '22). ACM.
- [5] **Junyi Zhu**, Liang He, Jun Nishida, Hamid Ghaednia, Hsin-Liu (Cindy) Kao, Jon E. Froehlich, Edward Wang, and Stefanie Mueller. 2022. SIG: Towards More Personal Health Sensing. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts* (CHI EA '22). ACM.
- [4] Cedric Honnet, Yunyi Zhu, **Junyi Zhu**, Michael Wessely and Stefanie Mueller. 2022. WearaFab: Digital Fabrication for Wearables Toolkits. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts* (CHI EA '22). ACM.
- [3] **Junyi Zhu**, Jackson Snowden, Joshua Verdejo, Emily Chen, Hamid Ghaednia, Joseph H. Schwab, and Stefanie Mueller. 2021. EIT-kit Demo: An Electrical Impedance Tomography Toolkit for Health and Motion Sensing. In *Adjunct Publication of the 34th Annual ACM Symposium on User Interface Software and Technology* (UIST '21). ACM.
- [2] **Junyi Zhu**, Yunyi Zhu, Jiaming Cui, Leon Cheng, Jackson Snowden, Mark Chounlakone, Michael Wessely and Stefanie Mueller. 2020. Demonstration of MorphSensor: A 3D Electronic Design Tool for Reforming Sensor Modules. In *Adjunct Publication of the 33rd Annual ACM Symposium on User Interface Software and Technology* (UIST '20). ACM.
- [1] **Junyi Zhu**, Lotta Blumberg, Yunyi Zhu, Martin Nisser, Ethan Carlson, Xin Wen, Kevin Shum, Jessica Quaye, Stefanie Mueller. CurveBoards Demo: Integrating Breadboards into Physical Objects to Prototype Function in the Context of Form. In *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems* (CHI EA '20). ACM.

## Patents

- [2] Ishan Chatterjee, Junyi Zhu, Stiven Morvan, Tianyu Xu, Karan Ahuja, Andrea Colaco, and Dongeek Shin. Micro-gesture Sensor Using Reduced-count Electrodes. U.S. Patent Application No. GP-309460-00-US/ G25020F-US. (Pending)
- [1] **Junyi Zhu**, Stiven Morvan, Dongeek Shin, Andrea Colaco, Sambuddha Basu, Sean Bae. Full Hand Kinematic Reconstruction Using Electrical Impedance Tomography Wearable. U.S. Patent Application No. 63/387,443; No. 18/537,224; Pub. No. US 2024/0201792.

## Conference Service

### Organizing Committee

ACM UIST, Demo Chair	2026
ACM CHI, Demo Jury	2026
ACM CHI, Session Chair	2023 - 2026
ACM UIST, Session Chair	2025
ACM UIST, Video Recording Chair	2024
ACM UIST, Video Previews Chair	2022 - 2023

### Associate Chair / Associate Editor

ACM CHI	2025 - 2026
ACM UIST	2025 - 2026
ACM IMWUT	2025 - 2026
ACM DIS	2026
ACM CHI Workshops	2023
ACM TEI	2023
ACM CHI Late Breaking Work	2021

### Reviewer

ACM CHI	2020 - 2025
ACM UIST	2020 - 2025
ACM IMWUT	2020 - 2025
ACM TEI	2020 - 2024
ACM ISS	2020

### Volunteering

ACM CHI Student Volunteer	2020
ACM CHI Program Committee Meeting, Subcommittee Chair Assistant	2019

## Research Internships

<b>Google AR Team</b> , Google LLC Research Intern, Mountain View, CA Office Advisor: Dr. Andrea Colaco & Dr. D. Shin	2022 - 2023
<b>UW Ubicomp Lab</b> , University of Washington Research Assistant, Paul G. Allen School of Computer Science & Engineering Advisor: Professor Shwetak Patel	2016 - 2017
<b>UW SEAL Lab</b> , University of Washington Research Assistant, Department of Electrical & Computer Engineering Advisor: Professor Alexander V. Mamishev	2016
<b>Exposure Sciences Group</b> , University of Washington Research Assistant, School of Public Health Advisor: Professor Edmund Seto	2016
<b>Senosis Health</b> , Seattle, USA Software Engineer, supervisor: Mike Clarke	2016 - 2017
<b>Jiangsu SEUIC Technology Co., Ltd</b> , China Software Engineer, supervisor: Prof. Chen Hu (Southeast University, China)	2015

## Invited Talks

<b>IEEE RoboSoft 2026 Workshop, Kanazawa, Japan.</b> <i>EIT-kit: the hardware, the applications, and the on-going development.</i> Hosted by Fumiya Iida, University of Cambridge.	2026
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- Forum on Future Interaction: Reimagining Human-AI Relationships, Yokohama Japan.** *Towards Regional Health and Medical Monitoring Systems that Adapt to Individual Variance in the Age of AI.* Hosted by Prof. Shengdong Zhao, City University of Hong Kong. 2025
- University of Washington, Electrical and Computer Engineering Department.** *Research Seminar on Wearable Intelligence: Health Sensing*, hosted by Prof. Yiyue Luo 2024
- Zhejiang University, College of Computer Science and Technology.** *Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Guanyun Wang 2024
- MIT Digital Health and Wellness Seminar.** *Keynote Speaker*, hosted by Prof. Rosalind Picard 2024
- Carnegie Mellon University, School of Computer Science, Human Computer Interaction Institute.** *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Alexandra Ion 2024
- Cornell University, Human Centered Design Department.** *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Gary Evans 2024
- Emory University, Computer Science Department.** *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Yolanda Rankin 2024
- Harvard Medical School, The 10th Annual International Symposium on Regenerative Rehabilitation.** *Active Impedance Sensing for Muscle Engagement Monitoring*, hosted by Prof. Fabrisia Ambrosio 2024
- University of Michigan, Electrical Engineering and Computer Science Department.** *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Robert Dick 2024
- New York University, Computer Science and Engineering Department.** *From Systemic to Regional: Personal Health and Medical Monitoring Systems that Adapt to Individual Variance*, hosted by Prof. Claudio Silva 2024
- University of Notre Dame, Computer Science and Engineering Department.** *Towards Personal Health and Medical Monitoring Systems*, hosted by Prof. Walter Scheirer 2024
- Zhejiang University, School of Software Technology.** *Towards Personal Health and Medical Monitoring Network*, hosted by Prof. Mengru Xue 2024
- University of California, Berkeley, Hybrid Ecologies Lab.** *Towards Personal Health and Medical Monitoring Network*, hosted by Prof. Eric Paulos 2023
- Stanford University, SHAPE Lab.** *Towards Personal Health and Medical Monitoring Network*, hosted by Prof. Sean Follmer 2023
- Tsinghua Youth Talent Development Seminar.** *Bridging Between Clinical and Daily Environment: Design and Fabricate Personal Health Sensing Devices.* hosted by Department of Computer Science and Technology, Tsinghua University 2023
- International Youth Festival on Design Futures, Smart & Digital Futures.** *Digital Healthcare: Future Personal Health Sensing Devices*, hosted by Dr. Yuqi Liu, Tsinghua University 2022
- Google LLC, AR Perception Team.** *Electrical Impedance Tomography: Introduction, Implementation, and Intuitions*, hosted by Dr. D. Shin 2022
- University of Illinois at Urbana-Champaign, Coordinated Science Laboratory.** *Building Personal Physical Rehabilitation Monitoring Devices*, hosted by CSLSC 2022
- University of Chicago, Human Computer Integration Lab.** *Towards More Personal Health Sensing Devices*, hosted by Prof. Pedro Lopes 2021
- MIT, MIT Nano Explorations.** *Integrating Object Form and Electronic Function in Rapid Prototyping and Personal Fabrication*, hosted by Prof. Vladimir Bulović 2020
- Harvard University, Graduate School of Design**, hosted by Prof. Krzysztof Wodiczko 2018

## Awards and Honors

Siebel Scholars, Thomas and Stacey Siebel Foundation, 2022 - 2023  
Thomas Stockham Jr. Fellowship, MIT, 2021 - 2022  
Frederick C. Hennie III Teaching Award, MIT EECS Department, 2021  
Best Paper Nominee, ACM CHI 2018  
Seneff-Zue Computer Science Fellowship Award, MIT, 2017 - 2018  
Dean's List, University of Washington, 2013 – 2017

## Selected Press

<b>MIT News.</b> A shape-changing antenna for more versatile sensing and communication	2025
<b>University of Michigan News.</b> Q&A with new faculty member Junyi Zhu.	2025
<b>MIT News.</b> A portable light system that can digitize everyday objects.	2024
<b>University of Michigan News.</b> Welcome to our new faculty (2024-2025)	2024
<b>MIT News.</b> Toward more flexible and rapid prototyping of electronic devices.	2023
<b>MIT News.</b> 3D-printed revolving devices can sense how they are moving.	2023
<b>Medical Design &amp; Outsourcing.</b> MIT researchers seek to ‘see’ inside the body during rehab.	2022
<b>Hackster.io.</b> MuscleRehab Provides an Inside Look at What Your Muscles Do During Physiotherapy and More.	2022
<b>MIT News.</b> MIT system “sees” the inner structure of the body during physical rehab.	2022
<b>Healthcare IT News.</b> MIT, MGH create VR system to advance physical therapy at home.	2022
<b>Medical Design &amp; Outsourcing.</b> MIT researchers seek to ‘see’ inside the body during rehab.	2022
<b>MIT News.</b> Making health and motion sensing devices more personal.	2021
<b>Yahoo News,</b> MIT's toolkit lets anyone design their own muscle-sensing wearables.	2021
<b>Hackster.io.</b> It's What's on the Inside That Counts.	2021
<b>Espressif Systems.</b> ESP32-powered Electrical Impedance Tomography Toolkit by MIT.	2021
<b>MIT News.</b> A hands-on class responds to Covid.	2021
<b>Engadget,</b> MIT's toolkit lets anyone design their own muscle-sensing wearables.	2021
<b>MIT News.</b> Electronic design tool morphs interactive objects.	2020
<b>MIT News.</b> Integrating Electronics onto Physical Prototypes.	2020
<b>Hackster.io.</b> Prototype Like a Pro.	2020
<b>3D Printing Industry.</b> MIT RESEARCHERS DEVELOP NOVEL 3D DESIGN SOFTWARE FOR EMBEDDED ELECTRONICS.	2020
<b>UW ECE Spotlight.</b> ECE alum Junyi Zhu integrates electronics onto physical prototypes at MIT with “CurveBoards”.	2020
<b>ACM TechNews.</b> 3D-printed CurveBoards enable easier testing of circuit design on products.	2020
<b>Inverse.</b> TIRED: BREADBOARDS. WIRED: CURVEBOARDS.	2020
<b>GeekWire.</b> Google buys Seattle health monitoring startup Senosis, bolstering digital health push	2017
<b>MIT Technology Review.</b> How to make a smart phone detect anemia.	2016

## Mentoring

### Ph.D. Students

[5]	Mingzhuo Ma	2026 - ongoing
[4]	Kaiyi Guo	2026 - ongoing
[3]	Jiale Zhang	2025 - ongoing
[2]	Seiun Kim	2025 - ongoing
[1]	Jisu Yim	2025 - ongoing

### Master Thesis

[8]	Rana Kamh	2026 - ongoing
[7]	Zhiyu Jia	2025 - 2026
[6]	Shufeng Yin	2025 - 2026
[5]	Ruowang Zhang	2023 - 2024
[4]	Gila R Schein	2022 - 2023
[3]	Yuxuan Lei	2021 - 2022
[2]	Joshua Verdejo	2020 - 2021
[1]	Lotta G. Blumberg	2018 - 2019

### Research Project Undergraduate Students (SuperUROPs, UROPs, SUREs etc.)

[30]	Yi Rong	2026	[15]	Sloke Shrestha	2021
[29]	Sophie Yang	2026	[14]	Emily Chen	2021
[28]	Amanda Xia	2025-2026	[13]	Gila R Schein	2020
[27]	Felix Lu	2025-2026	[12]	Jenny Chen	2020
[26]	William Shen	2025-2026	[11]	Jackson Snowden	2020
[25]	Qianhui Zheng	2025-2026	[10]	Jiaming Cui	2019-2020
[24]	Lingxiao Yang	2025-2026	[9]	Mark Chounlakone	2019
[23]	Alan Murillo-soto	2025	[8]	Jessica Ayeley Quaye	2019
[22]	Daniel Chen	2025	[7]	Ethan Levi Carlson	2019
[21]	Emily Guan	2024-2025	[6]	Xin Wen	2019
[20]	Jiayu Wang	2023-2025	[5]	Kevin Shum	2019
[19]	Masarah Ahmedhussain	2023	[4]	Leon Cheng	2019-2020
[18]	Malinda Lu	2023	[3]	Yunyi Zhu	2018-2020
[17]	Aashini Shah	2022	[2]	Katharina Bulovic	2018
[16]	Zipei Tan	2021	[1]	Tianye Chen	2018

## Teaching

### Instructor / Co-Instructor

[4]	<b>373</b>	<b>Introduction to Embedded System Design, UMich</b>	Winter 2026
[3]	<b>498/598</b>	<b>How to Make (almost) Anything Interactive, UMich</b>	Fall 2025
[2]	<b>373</b>	<b>Introduction to Embedded System Design, UMich</b>	Winter 2025
[1]	<b>6.810</b>	<b>Engineering Interactive Technologies, MIT</b>	Autumn 2021

### Teaching Assistant

[5]	<b>6.810</b>	<b>Engineering Interactive Technologies, MIT</b>	Autumn 2020
[4]	<b>6.810</b>	<b>Engineering Interactive Technologies, MIT</b>	Autumn 2018
[3]	<b>CSE/EE 474</b>	<b>Introduction to Embedded Systems, UW</b>	Autumn 2016
[2]	<b>CSE/EE 472</b>	<b>Introduction to Embedded Systems, UW</b>	Summer 2016
[1]	<b>CSE/EE 371</b>	<b>Design of Digital Circuits and Systems, UW</b>	Spring 2016

## Lectures

<b>ILP</b>	<b>Leading Edge Webinar</b> , Active Sensing Wearable Devices, MIT	Spring 2024
<b>6.810</b>	<b>Engineering Interactive Technologies</b> , Health Sensing, MIT	Autumn 2020
<b>6.810</b>	<b>Engineering Interactive Technologies</b> , Computer Vision Workshop, MIT	Autumn 2018

## References

### Stefanie Mueller

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### Mayank Goel

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### Andrea Colaço

Senior Staff Software Engineering Manager  
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Mountain View, CA 94043, USA

### Shwetak N. Patel

Professor, University of Washington  
Paul G. Allen School and ECE Department  
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Seattle, WA 98195, USA

### Eric Paulos

Professor, UC Berkeley  
Electrical and Computer Engineering department  
paulos@berkeley.edu  
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### Edward Jay Wang

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