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Research Interests	Human-Computer Interaction (HCI), Novel Sensing Methods, Ubiquitous Computing	
Education	University of Michigan , Ann Arbor, MI Ph.D. Student, Computer Science and Engineering Advisor: Alanson Sample	Sep 2019 to Present
	Harvard College , Cambridge, MA S.B., Engineering Sciences: Electrical Engineering & Biomedical Engineering	May 2014
Professional Experience	Design Specialist in Electrical Engineering Active Learning Labs, Harvard University SEAS Cambridge, MA	Jun 2014 to Jun 2017
	Product Design and Engineering Intern Design Catapult, Inc. Fountain Valley, CA	Summers 2009-2012
Publications	<ol style="list-style-type: none">7. Yasha Iravantchi, Mayank Goel, Chris Harrison. Digital Ventriloquism: Giving Voice to Everyday Objects. <i>To Appear In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)</i>, 20206. Yang Zhang, Yasha Iravantchi, Haojian Jin, Swarun Kumar, and Chris Harrison. 2019. Sozu: Self-Powered Radio Tags for Building-Scale Activity Sensing. <i>In Proceedings of the 32nd Annual ACM Symposium on User Interface Software and Technology (UIST '19)</i>, 20195. Yasha Iravantchi, Yang Zhang, Evi Bernitsas, Mayank Goel, Chris Harrison. Interferi: Gesture Sensing using On-Body Acoustic Interferometry. <i>In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)</i>, 2019 - Best Paper Honorable Mention Award4. Yasha Iravantchi, Mayank Goel, Chris Harrison. BeamBand: Hand Gesture Sensing with Ultrasonic Beamforming. <i>In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)</i>, 20193. Sunyoung Kim, Yasha Iravantchi, Krzysztof Z. Gajos. SwellFit: Developing a Wearable Sensor for Monitoring Peripheral Edema. <i>In Proceedings of the 52nd Hawaii International Conference on System Sciences (HICSS-52)</i>, 20192. Sunyoung Kim, Yasha Iravantchi, Krzysztof Z. Gajos, Barbara Grosz. SwellFit: a Wearable Sensor for Patients with Congestive Heart Failure. <i>In Proceedings of the Workshop on Interactive Systems in Healthcare (WISH) 2016</i>, 2016.	

Publications	1. Sunyoung Kim, Yasha Iravantchi , Krzysztof Z. Gajos, Barbara Grosz. Exploring Opportunities for Social Infrastructure in Congestive Heart Failure Management. <i>In Proceedings of the CSCW 2015 workshop on Moving Beyond e-Health and the Quantified Self</i> , 2015
Invited Talks	2. “Labs in the Wild”: Teaching Signal Processing Using Wearables and Jupiter Notebooks in the Cloud. SciPy Conference 2016, Austin, TX 1. Wearable Signal Processing Using Docker Notebook Containers on AWS. <i>JupyterDays Boston 2016</i> , Cambridge, MA
Teaching Experience	Teaching Fellow: ES 155 Biological Signal Processing (Spring 2016, Fall 2016) ES 50 Introduction to Electrical Engineering (Spring 2013, Spring 2014) BE 110 Physiological Systems Analysis (Fall 2013) Course Assistant: ES 52 The Joy of Electronics - Part I (AY 14, 15, 16) ES 96 Engineering Problem Solving and Design Project (AY 14, 15, 16) ES 100 Engineering Design Projects (AY 14, 15, 16) ES 151 Applied Electromagnetism (Spring 2016)
References	Alanson Sample Associate Professor in Electrical Engineering and Computer Science Interactive, Sensing, and Computing Lab University of Michigan e: apsample@umich.edu Todd Austin Professor in Electrical Engineering and Computer Science Center for Architectures Research (C-FAR) University of Michigan e: austin@umich.edu Krzysztof Z. Gajos Gordon McKay Professor of Computer Science Intelligent Interactive Systems Group Harvard University SEAS e: kgajos@seas.harvard.edu
Community Service	Student Volunteer: ACM CHI Conference on Human Factors in Computing, April 2018
Languages	Computer Languages: C, MatLab, LaTeX, HTML, PHP, Java, JavaScript, Python Human Languages: English (Native), Persian (Native), Spanish (Previously Fluent)