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<b>Research Interests</b>	Human-Computer Interaction (HCI), Novel Sensing Methods, Ubiquitous Computing	
<b>Education</b>	<b>University of Michigan</b> , Ann Arbor, MI Ph.D. Student, Computer Science and Engineering Advisor: Alanson Sample	Sep 2019 to Present
	<b>Harvard College</b> , Cambridge, MA S.B., Engineering Sciences: Electrical Engineering & Biomedical Engineering	May 2014
<b>Professional Experience</b>	<b>Design Specialist in Electrical Engineering</b> Active Learning Labs, Harvard University SEAS Cambridge, MA	Jun 2014 to Jun 2017
	<b>Product Design and Engineering Intern</b> Design Catapult, Inc. Fountain Valley, CA	Summers 2009-2012
<b>Publications</b>	<ol style="list-style-type: none"><li>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>, 2020</li><li>6. Yang Zhang, Yasha Iravantchi, Haojian Jin, Swarun Kumar, and Chris Harrison. 2019. Sozu: Self-Powered Radio Tags for Building-Scale Activity Sensing. In <i>Proceedings of the 32nd Annual ACM Symposium on User Interface Software and Technology (UIST '19)</i>, 2019</li><li>5. Yasha Iravantchi, Yang Zhang, Evi Bernitsas, Mayank Goel, Chris Harrison. Interferi: Gesture Sensing using On-Body Acoustic Interferometry. In <i>Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)</i>, 2019 - <b>Best Paper Honorable Mention Award</b></li><li>4. Yasha Iravantchi, Mayank Goel, Chris Harrison. BeamBand: Hand Gesture Sensing with Ultrasonic Beamforming. In <i>Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)</i>, 2019</li><li>3. Sunyoung Kim, Yasha Iravantchi, Krzysztof Z. Gajos. SwellFit: Developing a Wearable Sensor for Monitoring Peripheral Edema. In <i>Proceedings of the 52nd Hawaii International Conference on System Sciences (HICSS-52)</i>, 2019</li><li>2. Sunyoung Kim, Yasha Iravantchi, Krzysztof Z. Gajos, Barbara Grosz. SwellFit: a Wearable Sensor for Patients with Congestive Heart Failure. In <i>Proceedings of the Workshop on Interactive Systems in Healthcare (WISH) 2016</i>, 2016.</li></ol>	

<b>Publications</b>	1. Sunyoung Kim, <b>Yasha Iravantchi</b> , Krzysztof Z. Gajos, Barbara Grosz. Exploring Opportunities for Social Infrastructure in Congestive Heart Failure Management. In <i>Proceedings of the CSCW 2015 workshop on Moving Beyond e-Health and the Quantified Self</i> , 2015
<b>Invited Talks</b>	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
<b>Teaching Experience</b>	<b>Teaching Fellow:</b> 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) <b>Course Assistant:</b> 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)
<b>References</b>	Alanson Sample Associate Professor in Electrical Engineering and Computer Science Interactive, Sensing and Computing Group University of Michigan e: <a href="mailto:apsample@umich.edu">apsample@umich.edu</a>  Todd Austin Professor in Electrical Engineering and Computer Science Center for Architectures Research (C-FAR) University of Michigan e: <a href="mailto:austin@umich.edu">austin@umich.edu</a>  Krzysztof Z. Gajos Gordon McKay Professor of Computer Science Intelligent Interactive Systems Group Harvard University SEAS e: <a href="mailto:kgajos@seas.harvard.edu">kgajos@seas.harvard.edu</a>
<b>Community Service</b>	Student Volunteer: ACM CHI Conference on Human Factors in Computing, April 2018
<b>Languages</b>	Computer Languages: C, MatLab, LaTeX, HTML, PHP, Java, JavaScript, Python Human Languages: English (Native), Persian (Native), Spanish (Previously Fluent)