

## Yasha S. Iravantchi

CONTACT INFORMATION	Human-Computer Interaction Institute 5000 Forbes Ave. Pittsburgh, PA 15213	<a href="http://yasha.xyz">http://yasha.xyz</a> <a href="mailto:ysi@cs.cmu.edu">ysi@cs.cmu.edu</a>
RESEARCH INTERESTS	Human-Computer Interaction (HCI), On-Body Sensing, Novel Interactions, Ubiquitous Computing	
EDUCATION	<b>Carnegie Mellon University</b> , Pittsburgh, PA Ph.D. Student, <a href="#">Human-Computer Interaction</a> Advisors: Chris Harrison, Mayank Goel	August 2017 to present
	<b>Harvard College</b> , Cambridge, MA S.B., <a href="#">Engineering Sciences</a> (Tracks: Electrical Engineering/Biomedical Engineering)	May 2014
PROFESSIONAL EXPERIENCE	<b>Design Specialist in Electrical Engineering</b> Active Learning Labs, Harvard University SEAS Cambridge, MA	June 2014 to July 2017
	<b>Product Design and Engineering Intern</b> Design Catapult, Inc. Fountain Valley, CA	Summers 2009-2012
PUBLICATIONS	<ol style="list-style-type: none"><li>2. Sunyoung Kim, <b>Yasha Iravantchi</b>, Krzysztof Z. Gajos, and 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><li>1. Sunyoung Kim, <b>Yasha Iravantchi</b>, Krzysztof Z. Gajos, and 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.</li></ol>	
INVITED TALKS	<ol style="list-style-type: none"><li>2. "Labs in the Wild": Teaching Signal Processing Using Wearables and Jupyter Notebooks in the Cloud. SciPy Conference 2016, Austin, TX</li><li>1. Wearable Signal Processing Using Docker Notebook Containers on AWS. JupyterDays Boston 2016, Cambridge, MA</li></ol>	
TEACHING EXPERIENCE	<b>Course Support</b> ES 96 - Engineering Problem Solving and Design Project Instructor: Varies by semester School of Engineering and Applied Sciences, Harvard University	AY 2014-15, AY 2015-16, AY 2016-17
	<b>Course Support</b> ES 100 - Engineering Design Projects Instructor: Prof. Rob Wood School of Engineering and Applied Sciences, Harvard University	AY 2014-15, AY 2015-16, AY 2016-17
	<b>Teaching Fellow</b> ES 155 - Biological Signal Processing Instructor: Prof. Demba Ba School of Engineering and Applied Sciences, Harvard University	Spring 2016, Fall 2016
	<b>Course Support</b> ES 52 - The Joy of Electronics - Part I Instructor: David Abrams School of Engineering and Applied Sciences, Harvard University	AY 2014-15, AY 2015-16, AY 2016-17

**Course Assistant** Spring 2016  
 ES 151 - Applied Electromagnetism  
 Instructor: Mohamed Abouzahra, Ph.D. and Joseph Usoff, Ph.D.  
 School of Engineering and Applied Sciences, Harvard University

**Teaching Fellow** Spring 2013, Spring 2014  
 ES 50 - Introduction to Electrical Engineering  
 Instructor: Profs. Marko Loncar and Evelyn Hu  
 School of Engineering and Applied Sciences, Harvard University

**Teaching Fellow** Fall 2013  
 BE 110 - Physiological Systems Analysis  
 Instructor: Prof. Daniel Merfeld  
 School of Engineering and Applied Sciences, Harvard University

REFERENCES

Chris Harrison  
 Professor  
 Future Interfaces Group E-mail: [chris.harrison@cs.cmu.edu](mailto:chris.harrison@cs.cmu.edu)  
 CMU Human-Computer Interaction Institute

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 Professor  
 SmaSH Lab E-mail: [mayankgoel@cmu.edu](mailto:mayankgoel@cmu.edu)  
 CMU Human-Computer Interaction Institute

Krzysztof Z. Gajos  
 Professor  
 Intelligent Interactive Systems Group E-mail: [kgajos@seas.harvard.edu](mailto:kgajos@seas.harvard.edu)  
 Harvard University SEAS

COMMUNITY **Student Volunteer** April 2018  
 SERVICE Student volunteer at the ACM CHI Conference on Human Factors in Computing.

LANGUAGES

Computer Languages:  
 C, MATLAB, L<sup>A</sup>T<sub>E</sub>X, HTML, PHP, Java, JavaScript, Python (incl. NumPy, SciPy, SciKitLearn)

Human Languages:  
 English (Native), Persian (Native), Spanish (Previously Fluent)