



Shwetak N. Patel

GRFP Recipient: 2005

Undergraduate Institution:
B.S. 2003, Georgia Institute of Technology

Graduate Institution:
Ph.D. 2008, Georgia Institute of Technology

Graduate Field of Study:
Computer Science

//

Current Position:
Assistant Professor in the Departments of Computer Science & Engineering, and Electrical Engineering at the University of Washington

RESEARCH INTERESTS //

Shwetak N. Patel's research interests are in the areas of Human-Computer Interaction, Ubiquitous Computing, Sensor-enabled Embedded Systems, and User Interface Technology. He is known for his work on developing easy-to-deploy sensing technologies and approaches for activity recognition and energy monitoring applications. He is also known for research on developing novel interaction techniques, mobile sensing systems for health, and wireless sensor platforms. Patel has published over 60 articles since 2003 and has 17 best paper awards and honorable mentions.

BROADER IMPACTS OF MY WORK ON SOCIETY //

Patel is exploring the use of computing to better monitor, sense, and understand residential energy and water use, as well as, developing cost-effective sensing technologies for health. Innovations in these application areas help drive innovation in fundamental research in computing. Dr. Patel's work had had impact through the adoption of his energy and health sensing technologies by industry. Much of his focus on application-based research started from his time on a GRF, which allowed him the flexibility to explore new areas and take risks that may not have been possible otherwise.

AWARDS/ HONORS //

- Technology Review's Top 35 Innovators (TR-35) Award (2009)
- Microsoft Research Faculty Fellow (2011)
- India Abroad "Face of the Future" Award (2011)
- MacArthur Fellow (2011)
- Sloan Fellow (2012)

POSITION PROFILE //

Assistant Professor of Computer Science & Engineering, University of Washington

Assistant Professor of Electrical Engineering, University of Washington

Visiting Researcher, Microsoft Research

Founder, Zensi, Inc.

