GAURAV PARUTHI

Design Technologist

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EDUCATION

Ph.D. Information Science	*2011- 2017*

University of Michigan, Ann Arbor, MI

Graduate Certificate in Computational Discovery and Engineering	*2015*

B.E.(Honors) Electrical and Electronic Engineering	*Fall 2005-2009*

Birla Institute of Technology and Science, Pilani, India

PROFESSIONAL EXPERIENCE

Human-Computer Interaction Researcher, **University of Michigan**	*Fall 2011 - Winter 2017*

Qualitatively studied complex human behavior and developed systems to articulate unexplored design space.

Design Technologist, **IDEO CoLab**	*Summer 2017*

Designed an end-to-end smart cities product involving user research and extensive prototyping.

Co-founder, **Sophus Inc.**	*2016*

Led the technology and design effort to build a hyperlocal expertise sharing app.

Researcher, **PARC, Palo Alto, California**	*Summer 2015*

Explored the human-centered design of an AI assistant.

Data Scientist, **Telefonica Research, Madrid**	*Summer 2013*

Analyzed large scale data from Kiva to provide design implications for Microlending websites.

Researcher Engineer, **Microsoft Research**	*2009 - 2011*

Designed, engineered, and evaluated educational technologies for resource constrained environments.

SKILLS

UX Research: Qualitative, Quantitative, Experiments, Interviews, User Enactments, Surveys

Usability and Design: Hi-fi & Lo-fi Prototyping, Personas & Scenarios, Journey Maps, A/B test

Programming Languages: Python, Javascript, Swift, C/C++, C#, Matlab, SQL

Frameworks: Lambda, RiotJS, React, Flask, Redis, MongoDB, Git

Machine Learning Techniques: Tensorflow, Transfer Learning, Supervised and Unsupervised approaches, Markov Decision Processes

Hardware Prototyping: Arduino, Raspberry PI, Photon, nrf51822

SELECTED PUBLICATIONS

Paruthi et al. **Finding the Sweet Spot(s): Understanding Context to Support Physical Activity Plans** *IMWUT'18*

Paruthi et al. **HEED: Situated and Distributed Interactive Devices for Self-Reporting** *UbiComp'17*

Paruthi et al. **Peer-to-Peer Microlending Platforms: Characterization of Online Traits** *IEEE Big Data'16*

Paruthi et al. **Utilizing DVD players as low cost offline Internet Browsers** *CHI'11 Top 5%*

AWARDS AND HONORS

Top 1% IDEO CoLAB Fellowship	*2017*
First, Exposition, School of Information, University of Michigan	*2013, 2016*
First, Kaggle Competition for the Course SI-721 Data Mining,	*2012*
National Finalist, for Google Product Prodigy,	*2009*
National First Runner-Up, in Microsoft's Imagine Cup, in Software Design, Out of 4000 Teams.	*2007*
First, Binary Pirates, India's first Capture the flag hacking contest, Quark	*2008*