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Pranav Mistry

Education

PhD at **MIT Media Lab, Massachusetts Institute of Technology**
2008 to current; Massachusetts Institute of Technology; CPA 5.0/5.0

Master of Science at **MIT Media Lab, Massachusetts Institute of Technology**
2006 to current; Media Arts and Sciences; Massachusetts Institute of Technology; CPA 4.9/5.0

Master of Design at **IDC, IIT Bombay**
2003 to 2005; Industrial Design Centre, Indian Institute of Technology, Bombay; CPA 4.9/5.0

Bachelor of Computer Engineering at **Gujarat University**
1999 to 2003; Nirma Institute of Technology; Gujarat University; CPA 4.7/5.0

Working Experience

Research Assistant at **Fluid Interfaces, MIT Media Lab**
2008 to current, Fluid Interfaces Group, MIT Media Lab.

Visiting Researcher at **Japan Science and Technology Agency**
winter 2009, JST ERATO IGARASHI Design Interface Project, Tokyo.

Researcher at **Microsoft Research**
summer internship (summer 2009) with Adaptive Systems and Interaction, MSR.

Research Assistant at **Ambient Intelligence, MIT Media Lab**
2006 to 2008, Ambient Intelligence Group, MIT Media Lab.

Teaching Assistant at **Media arts and Sciences, MIT**
2007, New Paradigms in HCI, MIT Media Lab.

Research Intern with **Global Connection Project**
summer internship (summer 2007) with GigaPan Project (CMU, NASA, Google and UNESCO).

UX Researcher at **Microsoft**
2005 to 2006, Microsoft India Development Center.

Project Manager at **Microsoft**
summer internship (summer 2004) with Incubation Team at Microsoft India Development Center.

Awards and achievements

Listed as one of the '50 Most Creative People of the Year 2010', CREATIVITY 50.
Winner of 'TR35 2009' award, Technology Review.
Winner of 'INVENTION OF THE YEAR 2009' award, Popular Science.
Winner of 'Young Indian Innovator 2009' award, Digit Magazine.
Winner of 'Netexplorateurs of the Year 2010' award, Netexplorateurs Grand Prix 2010, France
Nominee for Forbes India's Person of the Year 2009.
Speaker for TED India 2010 talk on 'sixthsense', TED India 2010, Mysore, India.
Speaker for TED 2009 talk on 'sixthsense', TED 2009, Long Beach, CA.
2nd in SPACE competition in SIGGRAPH2004, Los Angeles.
1st in Innovation Fair at India level, for project MARBO.
Best Paper in USID2007 for 'Akshar'.
All India 3rd in National Open Hardware Contest at IIT Bombay for project DATAG2.02
3rd in Model Presentation at INGENIUM 2002.
3rd in Creative art competition organized by ISRO.
1st in Design competition organized by IEEE, India chapter.
2nd in website designing organized by ACES.
Selected for the prestigious DIRUBHAI AMBANI FOUNDATION AWARD for securing 1st rank in district.
2nd in on the spot Model Making contest at techfest2001 at IIT Bombay.

Patents

Digital user interface for inputting Indic scripts (US 2007/0174771) (167/DEL/2006)
Radio frequency control of computing system (1416/DEL/2006)
Start menu display model (1417/DEL/2006)
Multi-mode multimedia device and computing system (WO/2007/124083) (1418/DEL/2006)

Task-oriented start menu (1419/DEL/2006)
Hardware control initiated task switching (1420/DEL/2006)
Single hardware control initiated switching between application and utilities (1422/DEL/2006)
Wearable Gestural Interface (US 2010/0199232)
Software-aided creation of animated stories (US 2010/0110081)

Publications

P. Mistry, S. Nanayakkara, P. Maes. **SPARSH – Touch the Cloud**. *To be appear in CSCW2011. Demo*. Hangzhou, China. 2011

P. Mistry, S. Nanayakkara, P. Maes. **SPARSH: Passing Data using the Body as a Medium**. *To be appear in CSCW2011. Interactive Paper*. Hangzhou, China. 2011

P. Mistry, S. Nanayakkara, P. Maes. **SPARSH – Touch the Cloud**. *To be appear in CSCW2011. Video*. Hangzhou, China. 2011

P. Mistry, S. Nanayakkara, P. Maes. **Touch and Copy, Touch and Paste**. *To be appear in CHI2011. Interactivity*. Vancouver, BC, Canada. 2011

P. Mistry, P. Maes. **Mouseless - a Computer Mouse as Small as Invisible**. *To be appear in CHI2011. Interactivity*. Vancouver, BC, Canada. 2011

P. Mistry, P. Maes. **Mouseless**. *In the Proceedings of UIST2010. Poster*. NY, USA. 2010

P. Mistry, K. Ishii, M. Inami, T. Igarashi. **BlinkBot - Look at, Blink and Move**. *In the Proceedings of UIST2010. Demo*. NY, USA. 2010

P. Mistry, P. Maes. **SixthSense – A Wearable Gestural Interface**. *In the Proceedings of SIGGRAPH Asia 2009, Sketch.* Yokohama, Japan. 2009

P. Mistry. **ThirdEye - Multiple viewers can see different things on a single screen.** *In the Proceedings of SIGGRAPH Asia 2009, Poster.* Yokohama, Japan. 2009

P. Mistry, P. Maes. **SixthSense – A Wearable Gestural Interface**. *In the Proceedings of SIGGRAPH Asia 2009, Emerging Technologies.* Yokohama, Japan. 2009

P. Mistry. **The Thrilling Potential of SixthSense**. *TED talk in Wonders session. TEDIndia 2009*. Mysore, India 2009

P. Mistry, P. Maes. **Augmenting Sticky Notes as an I/O Interface**. *In the Proceedings of 13th International Conference on Human-Computer Interaction (HCII2009)*. San Diego, USA. 2009 (Invited Paper)

P. Mistry, P. Maes, L. Chang. **WUW - Wear Ur World - A Wearable Gestural Interface**. *In the ACM CHI2009 extended abstracts on human factors in computing systems*. Boston, USA. 2009

P. Mistry. **Quickies: sticky Notes of the 21st Century**. *In the ACM CHI2009, Video Showcase*. Boston, USA. 2009

P. Mistry. **Drawing On and Above the surface**. *In the ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games (i3D2009)*. Boston, USA. 2009

P. Maes, P. Mistry. **The Sixth Sense**. *TED talk in Reframe session.TED 2009*. Long Beach, CA, USA 2009

P. Mistry. **Quickies: Intelligent Sticky Notes**. *MAS Thesis.* Massachusetts Institute of Technology, USA. 2008

P. Mistry, P. Maes. **Quickies: Intelligent Sticky Notes**. *In the Proceedings of 4th International Conference on Intelligent Environments (IE08)*. Seattle, USA. 2008

P. Mistry, K. Sekiya, A. Bradshaw. **Inktuitive: An Intuitive Physical Design Workspace**. *In the Proceedings of 4th International Conference on Intelligent Environments (IE08)*. Seattle, USA. 2008

P. Mistry, T. Kuroki, C. Chang. **TaPuMa: Tangible Public Map for Information Acquirement through the**

Things We Carry. *In the Proceedings of the International Conference on Ambient Media and Systems (Ambysys2008)*. Quebec City, Canada. 2008.

P. Mistry, P. Maes. **Intelligent Sticky Notes that can be Searched, Located and can Send Reminders and Messages**. *In the Proceedings of the ACM International Conference on Intelligent User Interfaces (IUI2008)*. Canary Islands, Spain. 2008.

P. Mistry, N. Nayak. **AKSHAR: A mechanism for inputting Indic scripts on digital devices**. *In the Proceedings of USID2007*. Hyderabad, India. 2007.

P. Mistry. **Invent: Design of a Programming Language for Children**. M.Des. *Thesis. Industrial Design Center, IIT Bombay*. Mumbai, India. 2005.

P. Mistry. **Ghost in the machine – making creative machines**. Special Project. *Industrial Design Center, IIT Bombay*. Mumbai, India. 2005.

P. Mistry. **VET: Visual aids to scheduling and decision making for veterinary services**. M.Des Project-II Thesis. *Industrial Design Center, IIT Bombay*. Mumbai, India. 2004.

P. Mistry. **Ants**. *Student Poster Animation Competition and Exhibition (SPACE), ACM SIGGRAPH2004*. Los Angeles, USA. 2004. (Second Prize)

P. Mistry, G. Agrawal. **Functional metaphoric approach to be 'in the flow' with computer interfaces**. *In the Proceedings of IHCI2004*. Bangalore, India. 2004.

Extra curricular

Program Chair of ACM Augmented Human 2010 conference.
Former coordinator of Association of Computer Engineering Students, NIT (ACES).
Former president of Young Scientist Club (YSC), Palanpur branch.
Table Tennis- district Champion for 7 years, Institute champion for 3 years.
Current member of MIT Table Tennis Team.
President of zombie::labs, a research group (www.zombielabs.com).
Founder of the SOROTICS (social robotics) group in IIT Bombay.
Former cultural officer of Ashdown House, MIT
Coordinator of HCIINDIA community

Research Interests

Gestural Interaction, Computer Vision, Intelligent interactive systems and environments, Ubiquitous Computing, Interaction Design, Social Computing, Robotics, Tangible Computing, Collective Intelligence, Object Amelioration, Augmented reality, Computational photography

References

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