

# Mohit Gupta

m0hit@berkeley.edu

<http://m0hit.name>

Looking to work in the area of user experience research towards the development of more usable information systems. Areas of previous work include *location based services, online mapping and storytelling, ubiquitous computing, knowledge management and accessible technologies.*

## Education

**Master of Information Management and Systems.** expected May 2010

**Haas Management of Technology Certificate**

School of Information, University of California, Berkeley

Selected Courses:

- Computer-mediated Communication
- Qualitative Research Methods
- Theories of Urban Form and Design
- Cellphones as a Computing Platform
- ICTs for Development
- New Product Development

**Bachelors of Technology in Information and Communication Technology** June 2007

Dhirubhai Ambani Institute of ICT, India

Selected Courses:

- Introduction to Design
- Introduction to Anthropology
- Digital Circuits and Processors
- Distributed Computing
- Embedded Systems
- Sensor Networks

## Skills

*Exploratory qualitative research* with the visually disabled, for games and learning and information architectures, mobile technologies in public spaces.

*Location based platforms* such as Fireeagle, Google Latitude etc. Geolocation on the web and mobile devices (Android, iPhone).

*Mobile services design*, new product development process, technology transfer between research and product groups.

**Development:**

Familiar with C, C++, C#, Java, Python, JavaScript, PHP and Processing. Faceted browsing, feeds, REST and SOAP web services design.

Embedded systems design and development. Wi-Fi, bluetooth and other device interfaces. Familiar with the *Windows, Mac, Unix* filesystem, device model and shell.

Maya, Adobe Photoshop, Adobe Premier, OmniGraffle and Macromedia Flash.

**Graduate Teaching Assistant.**

Effects of Mass Media, Media Studies, UC Berkeley.

## Research and Projects

**The Meaningful Location Project**

**Prof Deirdre Mulligan, UC Berkeley.** Masters Thesis Project, started Jan 2009.

Designing and building a location platform with five classmates that is designed with a focus on privacy. The system supports more conceptual abstractions of location (such as *home, work, coffee shop*) which is more meaningful while protecting privacy.

**Open Source Toolkit for Cultural Heritage Organizations**

**School of Information, UC Berkeley.** Graduate Student Researcher, June 2009 - August 2009.

Building on the online needs of museums, developed Creative Commons and Faceted Browsing (using Apache Solr) plugins for the Omeka platform using PHP and Zend

**Programming Models to Support Context Aware Mobile Applications**

**DOCOMO Research Lab, Palo Alto.** Research Intern, June 2009 - August 2009.

Conducted a research review of context-aware mobile applications that adapt to user behavior and designed paper prototypes exploring its implications on mobile messaging.

**Collaboration Framework for Data Collection**

**Microsoft Research India.** Research Software Developer, August 2007 - July 2008.

Our team designed the architecture and developed a framework based on web-standards to handle task workflows consisting of individual, collaborative or automated activities. Led the design of collaborative games for large scale data collection.

**Geographic Narratives: Community Storytelling through Online Maps**

**Microsoft Research India.** Research Intern, January - August 2007.

Worked as part of a team to design and develop online and mobile map experiences for sharing user created geographic stories. Was selected as one of two interns to represent Microsoft Research, India at the *Bill Gates Intern Dinner* in 2007.

**Design of Auditory Interfaces for the Visually Impaired**

**DA-IICT.** Won Imagine Cup, India 2007 and was one of the top 12 projects worldwide

Led user research for design of auditory interfaces for GUIs. Contributed to engineering of an embedded system using ultrasonic sensors to support navigation for the visually impaired.

## Publications and Patents

**Sonic Grid: An Auditory Interface for the Visually Impaired to Navigate GUI-based Environments.**

2008 International Conference On Intelligent User Interfaces, Canary Islands, Spain

**Modeling an Experience Management Framework for Innovation in Post-Harvest Resource Management.**

2006 IEEE International Conference On Management Of Innovation And Technology

**US Patent Application 20090319608: Automated Task Centered Collaboration**

**US Patent Application 20100075697: WiFi and GSM Landmarks and Neighborhoods for Location Based Services**