

dhairya dand

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Experience

Keio – NUS CUTE Center & Mixed Reality Lab, Singapore

Jan'11 – Present

Research Assistant for the Coucou project.

Play and Learn Lab, Industrial Design Center, Indian Institute of Technology Bombay

July'10 – Dec'10

Research Associate for the Jellow project.

Open Culture Research Group, EYEBEAM Art + Technology Center

May'10 – June'10

Research and Development Intern for the Mapping Paradise project.

Physical Computing Lab, Industrial Design Center, Indian Institute of Technology Bombay

June'09 – May'10

Research Assistant for the Jellow project.

Berkman Center for Internet and Society, Harvard University

April'09 – June'09

Research Intern for the Internet and Democracy project.

Google Summer of Code, Google

April'08 – June'08

Contract Developer for the MapEditor project.

ASUS, India

Sep'07 – Jan'08

Marketing Intern for the World Gameing Tournament 2007.

Education

Victoria Jubilee Technological Institute

June'06 – April'10

Bachelor of Technology in Computer Engineering

Industrial Design Center, Indian Institute of Technology Bombay

June'09 – May'10

Courses in Interaction Design and Physical Computing

Microsoft Research India

June'10

Summer school on ICTD

Microsoft Research India

June'09

Summer school on computer networks

Awards

Global Service Jam '11
FoodGenie – Share food and reverse recipe search
Acclaimed for service design – International level

IBM's The Great Mind Challenge
ppl2.0 – Rural e+m governance solution
Top 20 out of 13,000 teams – National level

Texas Instruments International Design Challenge
Jellow – A communication device for cerebral palsy kids
1st Prize – International level

Technovanza '09
Horizon – Hand gesture device
Best exhibit – National level

Technovanza '09
GestureWheelChair
Award for innovation – National level

Exhibitions

ICTD'2012, Atlanta
TEDx Phnom Penh
ThinkerToys – Converting eWaste into educational fun toys

Dr. Bhauji Daji Lad Museum, Bombay
Digital interactive art form embodying the history of Bombay

Indian Institute of Technology Kanpur
Horizon – Hand gesture device

Innovative Technologies in Manufacturing Expo
GestureWheelChair – Hand gesture controlled wheel chair

Publications

D. Dand 'ThinkerToys : Creating interactive toys from eWaste' at ICTD'2012

P.Pearson, D.Dand, A. Cheok, M. Inakage 'LinkU : Dynamic social networks in Fourth Places' accepted at WiCom'11

D. Dand, S.Mehta et al 'Handicap Assistance Device for Appliance Control Using User-Defined Gestures' at ISMS'10

D. Dand, R. Poovaiah 'Jellow – An emotional communication device for the cerebral palsy kids' at ICCP'10

S.Mehta, D.Dand et al 'A Simple Wearable Hand Gesture Recognition Device Using iMEMS' at SoCPaR '09

Workshops

Conducted a workshop on 'Prototyping Techniques' at ExpoID '10 at IIT-Bombay

Co-conducted a workshop on 'New modes of Interaction' at IndiaHCI '10 at IIT-Bombay

Patents

Ubiquitous web-object to transfer physical interactions to digital connections. (*Pending*)

Media

Popular Science, Wired, Technology Review, ExtremeTech, SucideBots, A to Z of Robotics, Business Times, Times of India, Star News, CNN-IBN, DNA, Star Majha, Loksatta, Maharashtra Times

And

Assistant Director for short film 'Unbelong' for BBC

Member of Mensa

Skills

System: C, C++, Python,

Web: PHP, node.js, Rails, Django, Bottle.

Creative Coding: openFrameworks, Processing, vvvv.

Mobile: Objective-C, iOS SDK, PhoneGap SDK, Android SDK.

Design: Adobe CS4 Suite: Photoshop, Illustrator, Flash, InDesign, Balsamiq Mockups.

Hardware: Arduino, BeagleBoard, Sensors, Actuators, Circuit design.

Fabrication: 3D Printing, Laser cutting, PCB Manufacturing, Soldering, Clay modeling.

Circuit Design: Eagle, Fritzing.

OS: Mac, ROS, *nix, Windows.

Creative thinking and problem solving.

Personas, contextual inquiry, wireframes, rapid prototyping, storyboarding, heuristic evaluation, use cases.

Analytical skills and quick learner.

Business plan, proposal writing.

References

Prof. Ravi Poovaiah
Head, Industrial Design Center,
Indian Institute of Technology Bombay
ravi@iitb.ac.in

Myshkin Ingawale
CEO, BioSense,
Researcher, MIT SENSEable City Lab
myshkin@biosense.in

Mili John Tharakan
Researcher, Keio-NUS CUTE Center,
Researcher, Smart Textiles Design Lab,
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