



KashyapTodi

PhD Student
Hasselt University

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Nationality Indian

Languages English (Proficient)
German (Fluent)
Hindi (Fluent)
Dutch (Beginner)

Research

As a PhD student at Hasselt University, my current research focuses on enabling people to integrate everyday objects with interactivity, and to enrich their environment with interactions tailored to their needs.

Previously, as a researcher at the Media Computing Group (RWTH Aachen), I was interested in different input techniques and modalities and focused on investigating midair interactions. This included studying human capabilities, and leveraging them to develop pointing techniques.

Education

PhD in Human-Computer Interaction

Oct 2013 – Present

Expertise Centre for Digital Media, Hasselt University, Belgium

Advisor: Prof. Kris Luyten

Focus: Printed Electronics; Personal Fabrication; Embodied Interactions; Urban Interfaces.

Master of Science (M.Sc.) in Media Informatics

Oct 2012 – Feb 2013

RWTH Aachen University, Germany

Overall Grade: 1.7 (German Grading Scale: 1=Very Good; 2=Good; 3=Satisfactory; 4=Sufficient; 5=Insufficient)

Bachelor of Engineering (B.E.) in Computer Science and Engg.

Aug 2006 – Jul 2010

Reva Institute of Technology (Affiliated to VTU), Bangalore, India

Overall Grade: 70% (First Class with Distinction)

TOEFL (Test of English as a Foreign Language)

Nov 2009

Overall Score: 116 out of 120

Particulars: Reading: 29/30 Listening: 30/30 Speaking: 27/30 Writing: 30/30

GRE (Graduate Record Examination)

Nov 2009

Overall Score: 1270 out of 1600

Particulars: Quantitative: 790/800 Verbal: 480/800 Analytical: 4.5/6

Publications

For a complete list of co-authors and PDFs, please visit kashyaptodi.com/#publications.

- **Full Paper & Interactivity Exhibit at CHI '15**, Seoul, South Korea 2015
PaperPulse: An Integrated Approach for Embedding Electronics in Paper Designs
- **Full Paper at CHI '14**, Toronto, Canada 2014
Understanding Finger Input above Desktop Devices
- **Work-in-Progress & Workshop Paper at CHI '14**, Toronto, Canada 2014
Suit Up!: Enabling Eyes-Free Interactions on Jacket Buttons
- **Master's Thesis at Media Computing Group**, RWTH Aachen, Germany 2012 – '13
Sniper Pointing: Above the Surface Pointing with Multiple Resolutions
- **Extended Abstract at CSCW '12**, Seattle, USA 2012
From Heavyweight Framework to Lightweight Patchwork

Work Experience

Researcher Feb 2013 – Oct 2013

Media Computing Group, RWTH Aachen University, Germany

Head: Prof. Jan Borchers

Supervisor: Chat Wacharamanotham

Activities: HCI Research; Paper Publications; Application Development; User Studies

Student Assistant Aug 2012 – Feb 2013

Media Computing Group, RWTH Aachen University, Germany

Head: Prof. Jan Borchers

Supervisors: Malte Weiss, Simon Voelker

Activities: Hardware and Software Maintenance of Aachener Frieden Exhibit

Skills and Competences

- Object-oriented programming; Web Programming; Scripting
- Physical prototyping using Arduino, electronic components, and paper-based printed circuits
- Personal fabrication
- Interface design; Usability testing
- Vision-based hardware such as Vicon Motion Capture System and Leap Motion
- Design of experiments; Statistical analyses
- Scientific writing; Proofreading
- Vector-graphic design; Image and video editing; Photography; Basic 3D modeling

Current and Previous Activities

- **Student Volunteer at ITS 2013**, St. Andrews, Scotland 2013
- **Internship: User-Oriented System Design Lab at Fraunhofer FIT**, Germany 2011 – '12
Topic: Location-based Tamagotchi game for Android
- **Seminar: 'Post-Desktop User Interfaces' at Media Computing Group** 2011 – '12
Topic: Evolution of Awareness in Distributed Workspaces
- **Internship: CSCW Experience Lab at Fraunhofer FIT**, Germany 2011
Topic: Analysing social aspects and behaviour of users on social networks
- **97 Percentile in 6th National IT Aptitude Test** 2010
All-India rank of 1596 out of 63,314 candidates

I, Kashyap Todi, bear all responsibility for the correctness of the above-mentioned information.