

Ajay Prasad

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user experience. interaction design. development.

SKILLS

User Research

Contextual Inquiry

Contextual Design

Affinity Diagramming

Diary Studies

Surveys

Evaluation

Heuristic Evaluation

Cognitive Walkthrough

Think-Aloud User Studies

Keystroke Level Modeling

KLM using CogTool

Wizard-of-Oz

Design

Storyboards

Concept Validation

Video Sketches

Paper Prototyping

Personas and Scenarios

Development

C, C++, Java, J2ME,

Javascript, ActionScript,

Visual Basic, HTML, CSS, UML

Modeling, PHP, Perl, SQL,

Adobe Flex

Design Tools

Adobe Indesign

Adobe Illustrator

Macromedia Flash

Macromedia Dreamweaver

EDUCATION

Carnegie Mellon University, Pittsburgh, PA, USA

Master of Science in Human-Computer Interaction | AUG 2006 - PRESENT

Human-Computer Interaction Institute, Current GPA: 3.91/4.0

Anticipated Graduation: December 2007

Relevant Courses: HCI Methods, Interface and Interaction Design, Software Architecture for User Interfaces, Object Oriented Analysis and Development, Managing Software Development, Managing Technical People, Social Perspectives in HCI, Professional Writing, Cognitive Modeling in HCI

Select Projects: WhisperMobile, Pixaura photo application, Page Editor (Firefox extension), SHAPE-public space cultural game, Redesign of Blogger, Design of Pittsburgh PAT system
Please find a complete description of these projects at www.ajayprasad.net.

Visvesvaraya Technological University, Bangalore, KA, INDIA

Bachelor of Engineering in Computer Science and Engineering | AUG 2001 - JUL 2005

First Class with Distinction, Score: 81% (top 4%)

EXPERIENCE

Human-Computer Interaction Institute, CMU, Pittsburgh, PA, USA

Research Assistant, Advisor: Prof. Jason I. Hong | MAY 2007 - PRESENT

Designed and implemented a mobile system (WhisperMobile) for finding, capturing, and sharing social events. Implemented using: J2ME, PHP, MySQL.

Human-Computer Interaction Institute, CMU, Pittsburgh, PA, USA

Technical Lead for a team of six MHCI students | JAN 2007 - AUGUST 2007

Project sponsored by Dr. Steven Drucker, Microsoft Live Labs.

Designed and implemented an innovative desktop based photo application (Pixaura) that helps users to select and group photos to share with family and friends. Implemented using: Adobe Flex 3.0

Hewlett-Packard Labs, Bangalore, KA, INDIA

Research Engineer, Affordable Access Devices | JULY 2005 - APRIL 2006

Designed and implemented a novel pen-based input method environment (Guided Handwriting: Predictive Writing Input Method Environment) for Devanagari script. Also designed new interaction technique that was comparatively faster than existing pen-based IMEs. Implemented using: C++/Qt

Hewlett-Packard Labs, Bangalore, KA, INDIA

Intern, Affordable Access Devices | JAN 2005 - JUN 2005

PUBLICATIONS

Ajay Prasad et. al. - "Pixaura: Bridging the gap between Selecting and Sharing Photos", *Submitted to SIGCHI 2008, Florence, Italy.*

Ajay Prasad, Pat Malatack, Jason I. Hong, "WhisperMobile: The Design and Evaluation of a Mobile Social Event Service", *Accepted to Mobility Conference 2007, Singapore; submitted to Pervasive 2008, Sydney, Australia.*

Ajay Prasad, Prashant A., Shekhar Borgaonkar, "Guided Handwriting: Predictive Writing Input Method Environment", *Dec 2005, HP Labs India.*