

# ANANT BHARDWAJ

Email: [anantb@cs.stanford.edu](mailto:anantb@cs.stanford.edu) | Tel: 213.453.0488

Web: <http://cs.stanford.edu/people/anantb>

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## EDUCATION

### STANFORD UNIVERSITY

SEPT 2010- JUNE 2012

MS IN COMPUTER SCIENCE (HUMAN COMPUTER INTERACTION) --- [GPA: 3.96/4.0]

**Relevant Courses:** Introduction to HCI, HCI Design Studio, Research topics in HCI, Designing Computer Science Experiments, Web Applications, Information Retrieval and Web Search, Machine learning, Object Oriented Programming from Modeling and Simulation Perspective, Computer Networks

### PUNE UNIVERSITY (INDIA)

JULY 2003- JUNE 2007

B.E IN COMPUTER SCIENCE --- [GRADE: FIRST CLASS WITH DISTINCTION]

**Relevant Courses:** Artificial Intelligence, Design and Analysis of Algorithms, Theory of Computations, Databases, Programming Languages, Computer Networks, Operating Systems, Software Engineering

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## INDUSTRY

### ORACLE

JUNE 2011 – SEPTEMBER 2011

SUMMER INTERN

Worked for their OPAM (Oracle Privileged Account Management) products, key work includes - OPAM client SDK, OPAM Shell Client and OPAM Mobile website. A patent application for this work has already been submitted, and is pending approval.

### BMC SOFTWARE

JULY 2007 – AUGUST 2010

PRODUCT DEVELOPER

Worked for their Marimba products, key work includes - Marimba's packaging and distribution protocol, AMT(vPro) support in Marimba ([http://www.cm-ug.com/files/12-2009\\_vPro\\_CM-UG\\_Minutes.pdf](http://www.cm-ug.com/files/12-2009_vPro_CM-UG_Minutes.pdf)), Marimba AMT Java and C++ SDK for Marimba Channel programming, Wake on WAN (extended WOL to work across routers, in a distributed infrastructure) by auto-relay mechanism.

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## TEACHING

### HCI: INTERACTION DESIGN STUDIO

WINTER 2012

CS 247, STANFORD UNIVERSITY, INSTRUCTOR: PROF. JEFF HEER

My primary responsibility is to conduct weekly labs and grade assignments/projects

### OBJECT ORIENTED PROGRAMMING FROM A MODELING AND SIMULATION PERSPECTIVE

FALL 2011

CS 249A, STANFORD UNIVERSITY, INSTRUCTOR: PROF. DAVID CHERITON

Wrote exams, graded programming assignments, conducted review sessions, graded exams

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## RESEARCH PROJECTS

**REDPRINT:** Programmers often borrow code by searching web (code repositories, documentation, blogs and forums). Redprint is a browser based IDE for PHP that integrates web search into the development environment to enable programmers with context specific example code in real time, to reduce the cost of searching and time to develop software. A demo version is available at: <http://projects.abhardwaj.org/redprint/>

**STYLE BASED SEARCH:** a system that will allow users to query web pages on stylistic attributes (like pages with funny backgrounds, or pages with 3 columns layout). The search query could be either language-keyword based or it could be based on examples i.e. a user can select a design and ask the system to show other examples in the corpus that are similar (or dissimilar) to the designs in the query.

**DATA WRANGLER:** I am collaborating with Sean Kandel (a PhD student at Stanford, advised by Prof. Jeff Heer), who is the primary investigator for this project. Data Wrangler is an interactive tool for data cleaning and transformations. It combines direct manipulation of visualized data with automatic inference of relevant transforms, enabling analysts to iteratively explore the space of applicable operations and preview their effects.

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## SELECTED PUBLICATIONS

Anant Bhardwaj, Dave Luciano, Scott Klemmer. [*Redprint: Integrating API Specific "Instant Example" and "Instant Documentation" Display Interface in IDEs*]: UIST 2011 - 24th Symposium on User Interface Software and Technology (October 16-19, 2011 Santa Barbara, California)

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## HONORS AND AWARDS

The Best Student Award (Computer Science Class)

MAY 2007

The American Alumni Association Student Grant

JULY 2010

The KC Mahindra Scholarship

AUGUST 2010

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## SERVICE AND AFFILIATIONS

MS Admissions Committee (For Fall 2012 Admissions), Stanford University

DEC 2011- PRESENT

MS Faculty Liaison, Stanford University

JAN 2010 – DEC 2010

Chair for "The Association of Computer Engineering Students", M.E.S.C.O.E, Pune University

2006-2007

Chair for "The Digital Renaissance" (the college annual tech-fest), M.E.S.C.O.E, Pune University

2006-2007