

# salman ahmad

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## EDUCATION

### PHD, COMPUTER SCIENCE

EXP. 2014

- ▶ Massachusetts Institute of Technology, Cambridge, MA
- ▶ Specialization: Social Computation and Computer Systems
- ▶ Advisor: Dr. Sep Kamvar

### MS, COMPUTER SCIENCE

JUNE 2011

- ▶ Stanford University, Stanford, CA
- ▶ Specialization: Human Computer Interaction
- ▶ GPA: 4.0 out of 4.0

### BSE, COMPUTER SYSTEMS ENGINEERING

DEC. 2008

- ▶ Arizona State University, Tempe, AZ
- ▶ Summa Cum Laude
- ▶ GPA: 4.0 out of 4.0

### HIGH SCHOOL DIPLOMA

MAY 2005

- ▶ Corona del Sol High School, Tempe, AZ
- ▶ Class Standing: 1 out of 689
- ▶ GPA: 4.0 out of 4.0

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## WORK AND TEACHING EXPERIENCE

### STANFORD UNIVERSITY - RESEARCH ASSISTANT

DEC. 2010 - PRESENT

- ▶ Researching with Professor Scott Klemmer as part of Stanford's HCI Group
- ▶ Currently working on Bricolage, a web design tool based on leveraging existing examples

### STANFORD UNIVERSITY - COURSE ASSISTANT

SEPTEMBER. 2010 - PRESENT

- ▶ Served as a course assistant for CS147 - Introduction to Human-Computer Interaction Design
- ▶ Lead weekly sections and provided technical support for student projects

### MICROSOFT CORPORATION - SOFTWARE DEVELOPER INTERN

JUNE. 2010 - SEP. 2010

- ▶ Designed and developed visualization tools for Windows Live to monitor
- ▶ Managed huge computing clusters, deployed large-scale web services, architected scalable server infrastructures

### MICROSOFT CORPORATION - SOFTWARE CONSULTANT

FEB. 2009 - AUG. 2009

- ▶ Worked on the Dynamic Datacenter Toolkit, a cloud computing solution for data centers
- ▶ Created a demo that was showcased by Microsoft VP Bob Muglia during the Worldwide Partner Conference in 2009

### ACUTEPATH, INC - SOFTWARE CONSULTANT

MAY 2008 - DEC. 2008

- ▶ Lead research and development on projects from user interface considerations to framework design
- ▶ Developed and maintained the software foundation for several upcoming products

### INVOY TECHNOLOGIES, LLC - DIRECTOR OF SOFTWARE ENGINEERING

JUNE 2006 - PRESENT

- ▶ Co-founded Invoy, which aims to develop medical devices to detect compounds in human breath
- ▶ Coordinate research and development of device electronics and embedded software

### FREESCALE SEMICONDUCTOR, INC. - SOFTWARE ENGINEER

JUNE 2007 - SEPT. 2007

- ▶ Developed a web-based tool to analyze data from semiconductor fabrication plants
- ▶ Assisted in strategic planning and project development

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## RESEARCH PROJECTS

**BRICOLAGE****JANUARY 2010 - PRESENT**

- ▶ Working with Dr. Scott Klemmer at Stanford University
- ▶ Researching a web design tool that automatically utilizes existing webpages as templates
- ▶ <http://hci.stanford.edu/research/bricolage/>

**AFFECTIVE LEARNING COMPANION****AUGUST 2004 - MAY 2005**

- ▶ Worked with Dr. Winslow Burleson at Arizona State University
  - ▶ Created an affect-aware computer system to serve as an educational tool
  - ▶ Programmed and configured several sensors to collect and characterize a user's emotional state
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## PAPERS AND TECHNICAL REPORTS

- ▶ Ranjitha Kumar, Jerry O. Talton, **Salman Ahmad**, and Scott R Klemmer. [Bricolage: A Structured-Prediction Algorithm for Example-Based Web Design](#). Submitted to CHI 2011.
  - ▶ Neema Moraveji, **Salman Ahmad**, Chigusa Kita, Frank Chen, and Sep Kamvar. [Weblines: Enabling the Social Transfer of Web Search Expertise using User-Generated Short-form Timelines](#). Submitted to CSCL 2011.
  - ▶ **Salman Ahmad**, Temitope Akinwade, Elizabeth Cohlman, Matthew Jones, Nitesh Mehta, and Peter Woods. [Affective Learning Companions: Increasing Affective State to Promote Long Term Learning](#). Senior Capstone Report, Arizona State University, 2009.
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## OTHER PROJECTS

**GITTI: A GIT CLIENT FOR MAC OS X**

- ▶ Developing a Mac client, called Gitti, for Git, "The fast version control system"
- ▶ Allow users to visually create, clone, and manage their Git repositories in an intuitive and modular interface
- ▶ Currently in private beta with over 6,000 registered testers
- ▶ <http://www.gittiapp.com>

**LINEHIVE**

- ▶ Designed, developed, and deployed a web app that lets users organize webpages into beautiful timelines
- ▶ Was selected as a finalist in Mozilla's *Jetpack for Learning Design Challenge* at SXSW 2010
- ▶ <http://linehive.com>

**CASTLEQUEST**

- ▶ Created a tangible video game to help children learn math
  - ▶ <http://idyllico.com/castlequest/>
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## AWARDS & HONORS

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| ▶ Siebel Scholar, class of 2011                            | August 2010 |
| ▶ ASU Award of Excellence                                  | March 2008  |
| ▶ President's Scholarship, Arizona State University        | Aug. 2005   |
| ▶ Medallion of Merit Scholarship, Arizona State University | Aug. 2005   |
| ▶ AP Scholar with Distinction                              | June 2005   |
| ▶ Valedictorian, Corona del Sol High School                | May 2005    |
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## TECHNICAL SKILLS

- ▶ Programming Languages: C/C++, C#, Java, Javascript, Objective-C, PHP, Ruby, Shell Scripting
- ▶ Programming Frameworks: .NET 4.0, Cocoa, WCF, WWF, WPF
- ▶ Web Technologies: Ajax, ASP.net, CSS, HTML, JSP, Javascript, Ruby on Rails, Silverlight, XML
- ▶ Databases: Microsoft SQL Server 2005, MySQL, SQLite3, Teradata
- ▶ Enterprise Systems: Hyper-V and System Center, Commerce Server 2009