Udai Arora
Masters of Science- Computer Science
Arizona State University 2013

www.udaiarora.com
E-mail: udaiarora@asu.edu; udaiarora@yahoo.in
Telephone: (+91) 9008 420 030 (India)

Academics

Level	University/ School	YOC	Percentage / CGPA
M.S. (CS)	Arizona State University, Tempe, AZ	-	-
B.E. (CS)	Manipal Institute of Technology, Manipal	2012	CGPA: 7.72/10 Equivalent Percentage: 71%
10+2	APJ School, SS, New Delhi	2008	84.0%
10	APJ School, SS, New Delhi	2006	80.4%

Software Proficiencies

- Web skills: HTML 5, CSS3, Javascript, JQuery and other Javascript libraries, CSS Frameworks like Bootstrap (by Twitter), PHP, VB. NET, Node.js, MySQL, JSP, Adobe Photoshop, etc.
- Programming skills: C, C++, C#, Java, Android Development, etc.
- Operating systems: Windows, Ubuntu, iOS, FreeBSD, Android.

Work Experience

- Hewlett-Packard R&D, Bangalore, India (August 2012 – Present)
  Responsibilities included building various prototypes and User Experience for products. The User Experience was aimed at elevating technical complexities to a usable product. The prototypes and products included a Reservation System- used by gate agents to book tickets and add services; a Departure Control system- to manage check-ins. These modules aim to replace the current command line interface used by gate agents and at the same time, maintain their efficiency. A product called EMD was also built which is to be used by Airports and Airlines to manage ancillary fees and services. Customers included Swiss Air, American Airlines, Air China, Brussels and Olympic.
  A Windows 8 app is currently being developed for the Reservation System. This will be followed by an Android app of the same product, thereby giving our Customers a true Cross-Platform Experience.

Internships

- 7 month Industrial Training at Hewlett-Packard R&D, Bangalore from 12th January 2012 to 17th August 2012: "Front End Framework Development for a Consumer Travel Platform"
- 2 Month Summer Internship at Videocon, Gurgaon during June-July 2011: "Design & Development of the Business Intelligence Tool of Videocon".
- 2 Month Summer Internship at Wipro, Gurgaon during June-July 2010: "Online Repository Creation and Document Version Control for Wipro-Uninor engagement".

Projects

- Inventory Management System- This was a freelance project aimed at building an online system which will help a large construction firm manage inventories across various construction sites and giving different user types, different access rights. The system also included options for generating purchase orders and was successfully deployed.
- Online Portfolio (www.udaiarora.com)
- Compared efficiencies of different algorithms for checking the status of a connect-4 game.
- Pharmacy Management System as an Object Oriented Programming Project.
- Fantasy Football Manager.
- Google Chrome Extensions to help user change the theme of chrome with a single click.
- Chrome Extension to access apps from the URL bar.
- Implementation of RSA encryption algorithm in C++
- An android application to improve the experience of viewing pictures.

Currently building a Facebook app to help enable "Chat as invisible" mode in Facebook. This will help a FB user to see which of its friends are online without actually turning on the FB Chat. The app will also include an option for notifying the user once a selected friend is online.

Papers Published

- "Architecture for Raw Data Processing at Sensor Nodes in Semantic Wireless Sensor Networks" Arora, Udai, Kumar, Archana. International Journal of Computer Applications, New York. Volume 55- No. 12.
  (http://www.ijcaonline.org/archives/volume55/number12/8808-3094)
- "A template system perspective to faster, lower cost and quality web application development" Arora, Udai. International Journal of Advances in Engineering & Technology, Sept 2012 (http://www.archives-ijaet.org/media/44I10-IJAET1009277-A-TEMPLATE-SYSTEM.pdf)

Co-curricular activities

- Presented an IEEE paper on SQL Injection in a college symposium.
- Attended the Android development workshop organized by Massachusetts Institute of Technology.
- Completed the SAP 01 certification.
- Attended a workshop on XNA (an IDE for game development) and C#
- Organized a workshop on Open Source development for juniors under IE-CSE.
- Attended a workshop on Adobe Flash (CS4) conducted by IE-CSE.

Extra-curricular activities

- Placed 5th in Table Tennis with over 500 participants in HP Bangalore's Sports Fest.
- Placed 4th in Darts with over 200 participants in HP Bangalore's Sports Fest.
- Helped organize a blood donation drive in KMC, Manipal.
- Helped organize "Code Wars", HP R&D's Hack-a-thon and received a certificate of appreciation from the Director.