Udai Arora

Masters in Computer Science | Arizona State University | May 2015

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ACADEMICS

M.S.|CS	Arizona State	May 2015	3.72
B.E.|CSE	Manipal University	May 2012	7.72 (10)

EXPERIENCE

Intel Corp, Chandler, AZ | Graduate Software Intern | May 2014- August 2014
Object-Oriented Design and Programming principles applied in an Agile environment to build Decision Engineering Tools
- Enhanced and customized an Open-source project "Handsontable"- an Excel-like Data Grid Editor
- Created multiple views in MS SQL Server Manager
- Built a Single Page Application using AngularJS which consumes RESTful APIs
- Experimented with Data visualization libraries such as D3js

Arizona State University | Graduate Student Worker | September 2013- Present
- **CS 100 (Object Oriented Software Development) Grader**: Grading and giving Feedback to Students. Assisting Prof with the course.
- **Developer**: Server side development for an iOS app- Authentication, data interchange, etc.

Hewlett-Packard R&D, Bangalore, India| Front End Developer | January 2012 – August 2013
Rapid Prototyping and creating User Experiences for Products in the Aviation Travel Domain. The aim was to replace the CLIs used by Gate Agents and at the same time, maintain/increase their efficiency.
- Built 3 independent modules: Departure Control System, Reservation System, EMD.
- Various Client-Side technologies were used for experimentation.

Videocon Ltd., Gurgaon, India | Intern | May-August 2011
Design & Development of the internal Business Intelligence Tool of Videocon.

Wipro Tech., Gurgaon, India | Intern | May-August 2010
Online Repository Creation and Document Version Control for Wipro-Uninor engagement

PUBLICATIONS

- "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.

- "A template system perspective to faster, lower cost and quality web application development" Arora, Udai. International Journal of Advances in Engineering & Technology, Sept 2012 edition

ACADEMIC PROJECTS

- WebRTC and MobiCloud based Video Chat application with capabilities such as screen sharing, chat etc. It uses WebRTC API, ICE framework (STUN/TURN), signaling mechanism using a NodeJS server and a few other technologies to establish a peer to peer connection between several clients.
- Added 3 new features- Alias Names, Synergic Answers and Autonomous Extra Credits to the open source learning management system "Moodle".
- Search Engine: Implemented various link based algorithms like PageRank, Authorities/Hubs and text based algorithms like TF/IDF on the web pages in ASU domain.
- Object Oriented Inventory Management and Purchase order generation system.
- Google Chrome Extensions to help user change the theme with a single click and one to access apps from the URL bar.
- Used the Zappos API to allow users to select products on which they want a price drop notification. The price drop was checked using a node server.
- Built the long overdue personal portfolio website (www.udaiarora.com)

SKILLSET

Technologies: JavaScript, JQuery, Java, HTML5, CSS, NodeJS, AngularJS, MySQL, Python, Photoshop, Drupal, D3, WebRTC, C/C++C#
Misc.: Responsive Development, Cloud Computing, Big Data, Service/Object Oriented Computing. Aviation Domain, Finance Domain

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