

ARCHANA SANKARANARAYANAN

[Git](#). [Website](#). [Designs](#). [Blog](#)

EDUCATION

Carnegie Mellon University, Pittsburgh, PA - Dec 2009

Masters in Information Systems Management **CGPA: 3.91/4.0 Highest Distinction**

PSG College of Technology, Coimbatore, TamilNadu, India - May 2006

Bachelor of Technology in Information Technology **CGPA: 9.61/10.0 First Class with Distinction**

WORK EXPERIENCE

Adobe Systems, San Jose, USA Software Engineer, Productivity Tools/Creative Suite

Sept 2010 – Present

- Designing and implementing the front-end for cloud based marketplace for Creative Suite extensions and plugins (like brushes, swatches, etc.) using Flex, Ruby, MySQL and FastSpring.
- Designed and implemented a packaging tool for creating Creative Suite extensions
- Designed and developed UI and backend for web-based productivity tools like public portal for Adobe open source projects, project tracking and management tool and encryption form assistant for product teams within Adobe using Flex, Oracle, Java
- Completed Web Security Training and used AppScan to identify security vulnerabilities in Adobe Public Portal and Adobe Exchange

Qualcomm Incorporated, San Diego, USA Software Engineer, QCT Department

June 2009 – Sept 2010

- Designed and developed the front-end for a phone crash analyzer using .Net and C#
- Designed the UI for the phone crash analyzer after several iterations of prototyping and user testing with customers

Texas Instruments India Ltd., Bangalore, India Software Design Engineer

July 2006 – July 2008

- Designed and developed Integrated Quality Check (IQC) engine to perform various quality checks in the VLSI flow using Perl
- Analyzed the reporting needs of the different customers and developed scripting tools for generating HTML reports and spreadsheets

ACADEMIC/PERSONAL PROJECTS

Designing and developing an iPhone application for Star Gazing Dec 2012 - Present

- Developing an app to recommend dark nights and low light pollution spots for good gazing and night sky photography
- Beta testing the app using TestFlight with enthusiastic beta-users

V-Map Technology [Flex, ActionScript, Java] ComPePrice, LLC, Pittsburgh, USA

August 2009 – December 2009

- Created low and high fidelity prototypes to test design ideas for the video organization technology, V-Maps. Conducted contextual inquiries, surveys and user testing to get the most intuitive and usable layout for V-Maps.
- Developed the prototype using Flex and ActionScript and developed the main video map components for storing and retrieving videos from a unique data structure using Java and MySQL

Workers Motivation in Mechanical Turk [Javascript] Human Computer Interaction Institute, Pittsburgh, USA August 2009 – December 2009

- Researched on understanding the workers' motivation behind low quality responses on Amazon Mechanical Turk
- Identified ways to validate the integrity of the responses provided by Mechanical Turk workers
- Built a tool to identify low quality surveys and questionnaire entries

User Interface Design for Machines [Flex, Actionscript] October 2008 – March 2009

- Conducted contextual inquiry and user testing for the devices: cycling machine, photocopier and digital camera
- Created flow model, physical model, sequential model, artifact model and cultural model as a part of Contextual Design
- Created low and high fidelity prototypes for user testing and came up with an intuitive design based on the testing results

OTHER HOBBY PROJECTS

- Freelance Web Designing in 99Designs.com
- Designer and active participant in Quirky

SKILLS

Languages: HTML, Javascript, Java, ActionScript, Objective-C

Databases: Oracle, MySql

Applications/Frameworks: Backbone.js, Xcode, Flex, Photoshop, Illustrator, Fireworks, Xcode, IBM AppScan

Usability: Rapid prototyping, paper prototyping, usability testing, user experience research