Pradeep Nayak Udupi Kadbet

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Objective

To solve real life problems using my programmatic and algorithmic skills and build products for the betterment of the society. I am currently looking for an internship this summer 2013.

Experience

Graduate Assistant - University of Southern California **October 2012 – Current**
Web Developer at The Graduate School

D E Shaw & Co - Member Technical Staff **July 2010 – July 2012**
Building automation tools using Perl and Python. Developed SharePoint web parts for the company intranet. Developed Web Applications using HTML, CSS and JavaScript. Also wrote an iPad app for viewing conference room events and scheduling meetings.

Cisco Systems - Intern **January 2010 – May 2010**

Education

University of Southern California **Fall 2012 – Present (Graduating: 2014)**
Major: MS Computer Science **GPA:** 3.66
Currently Enrolled Courses: New SQL DBMSs, Algorithms
Completed Courses: Operating Systems, Introduction to Networks & Web Technologies

P E S Institute Of Technology, Bangalore **September 2006 – June 2010**
Bachelor of Engineering – Computer Science **GPA:** 81.5 % /100

Skills

- Programming Languages: C, Python, C++, Java, Perl, C#
- Web Technologies: HTML, CSS, PHP, JavaScript, jQuery, node.js, twitter bootstrap
- Databases: MySQL, SQLite, MS SQL,
- Operating Systems: Mac OS X, Linux (Ubuntu), Windows
- Mobile: Android SDK

Projects

Contextual Search Engine for educational video lectures **Duration: 9 months**
The main vision of the project was to make videos as easy as text. To make videos search-able as one would search a text document. To skim through videos as one would skim through a text document. Our purpose was to make editing, re-purposing videos as easy as text. **Videos are the new text.**

Weenix Kernel **Duration: 3 months**
(i) Processes, Threads and Synchronization primitives: Built basic building blocks for the Weenix operating system: threads, processes, and synchronization primitives (mutexes) and the scheduler.
(ii) Implementation of the Virtual File System: built a common interface between the operating system kernel and the various underlying file systems (AFS and the S5FS file systems). As a part of the project various system calls like open, read, write, lookup, etc. were also implemented.

BG benchmark to evaluate different data stores **Duration: 1month (ongoing)**
BG benchmark developed at USC was used to benchmark MySQL augmented with ehcache data store.

Text Messaging Portal for Test score notifications **Duration: 3 months**
A messaging portal built using REST SMS api's used for notifying the test scores of the students. The test scores were formatted and sent as a text message to the registered mobile numbers with the portal.

Other Activities

- Technical Blogger at http://pradeepnayak.in
- Social coder on github: http://github.com/pradeep1288
- Photography