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RAGHAV MOHAN

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OBJECTIVE

A challenging position in software development and engineering. Special interests include web and mobile software as a service, along with parallel programming.

PROJECTS

- Implemented a B+ tree in C++ for the backend of a database for Database Systems Course
- Implemented own Unix Shell, Network File System in C for Operating Systems Course
- Wrote a Linear Algebra library and an algorithm to parallelize Blocked LU-Decomposition in C++
- Developed a webapp in **CakePHP** to manage the registering of devices over an authenticated network. Reduced manage time of the IT department by 30%. Link: www.housing.wisc.edu/resnet (requires uw-netid authentication).

EDUCATION

B.A., University of Wisconsin – Madison (May 2013)

Double Major - Computer Sciences and Economics

Computer Sciences GPA: 3.41/4.00

Economics GPA: 3.32/4.00

Coursework

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|-------------------------------|-------------------------------|-------------------------|
| - Operating Systems | - Database Management Systems | - Game Theory Modeling |
| - Digital System Fundamentals | - Econometrics | - Computer Architecture |
| - Computer Security | - Computer Networking | - Algorithms |

PROGRAMMING

Proficient/Strong

C, C++, Java, Unix Shell, PHP, CakePHP, MVC, HTML, CSS, SQL, Javascript, jQuery, SQL, Git

Familiar With

Ruby, Ruby on Rails, Heroku, AWS, Shell Scripting, Spring, Maven, MATLAB, SVN, Stata, TCP/IP and HTTP

WORK

Software Engineering Intern, Womstreet Inc (Winter 2012)

Write multiple applications in Ruby on Rails and other related technologies for a Contest Development Platform

Middleware Intern, Department of Information Technology (Summer 2012)

Assisted the Service Oriented Architecture Team in developing various Software as a Service (SaaS) tools via Agile Test Driven methods using Java, Spring, Maven, XML related technologies

Web Development Intern, Department of University Housing UW-Madison (Summer 2011)

Solely developed web applications using a MVC framework via CakePHP, AJAX, jQuery, JSON, Javascript, MySQL, etc.

RESEARCH

Wisconsin Multiscalar Group, Department of Computer Sciences UW-Madison (Summer 2012)

Wrote and modified several Parallel benchmarks and modified benchmarks (LU-Decomposition, Graph500, etc.) to accommodate parallelism via a new C++ Library.

Center for Financial Security, School of Human Ecology, UW-Madison (Summer 2010)

Researched the Behavioral Economic Implications of financial literacy in low-income households.

ACHIEVEMENTS

Academic Dean's List - Spring 2011

Attained a 3.91 GPA with 17 credits, while working a research internship.

Academic Acknowledgment as a Research assistant in the [CFS project](#) mentioned above. Accepted by RAND

ACTIVITIES

Facebook Hackathon, Fall 2012 – Participant and winner of “Slickiest Implementation”

PennApps Hackathon, Winter 2012 –Member of only team picked from Wisconsin

Web Officer – The Computer Science HUB, UW – Madison

Institute of Electrical and Electronic Engineers (IEEE) UW-Madison Student Chapter

Webmaster – Center for Financial Security, UW-Madison

Undergraduate Projects League, Computer Sciences, UW-Madison