

Harikrisshnan Dhanagopal

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OBJECTIVE

Seeking a Software Engineer position where I could contribute to organizational business goals by applying and expanding my skill set and experience

EDUCATION

- **Master of Science, Computer Science** **Aug '06 – Aug '08**
GPA-3.50/4
Texas A&M University, College Station, Texas
- **Bachelor of Engineering, Computer Science and Engineering** **Jul '01 – May '05**
GPA 3.93/4
S.R.M Engineering College, Anna University, India

PROFESSIONAL PROJECTS

- **Advanced Micro Devices (AMD) Inc., Co-op Engineer** **Aug '07 – Dec '07**
 - Analyzed (R & D) BIOS and device driver performance and recommended improvements to the revisions
- **Dell Inc., Masters Intern (IT)** **May '07 – Aug '07**
 - Developed Load Equipment (Resource) Scheduling application and reporting portals
 - Automated testing using Quick Test Professional
- **Wipro Technologies, Project Engineer (Firmware Dev)** **Aug '05 – Jul '06**
 - Developed diagnostics Firmware using C on VxWorks platform for wireless boards.
 - Simulated Session Initiation Protocol (SIP) in line with RFC 3261
- **CDLR – Graduate Assistant** **Sep '06 – May '07 & Jan '08 – Till Date**
 - Developed and maintained secure Web Applications and portals for Distance Learning courses, Schools and Universities.
 - Project and Personnel Management,

ACADEMIC PROJECTS

- **Select Graduate Projects**
 - Analyzed the fault Tolerance in Radio Networks (Grid-based) with Byzantine and Crash failures
 - Conceived a Real Time Robotic arm control using Neural Network Feedback based Haptics System
 - Proposed and developed a Online fault tolerance algorithm based on temperature and power modeling using Scheduling
- **Undergraduate Project**
 - Built a Subsymbolic Parsing system to parse Embedded Clauses in English Sentences using Neural Networks (Java).

TECHNICAL PROFICIENCY

Languages	C; Java; Shell Scripting (BASH, KSH);TCL/TK; C ++
Operating Systems	Linux (Red Hat), Microsoft Windows (2000/XP/Vista), VxWorks (RTOS)
Protocols, Tools & Libraries	TCP/IP, SIP, WindRiver Vision and ICE; CVS; Subversion; Rational Tools, Open MP, pThreads, Quick Test Professional
Graphics and UI Design	Macromedia Studio MX; Microsoft FrontPage; Java Applets/Swings
Databases & Office Suites	MySQL; MS-Office Suite
Internet Programming	HTML; CSS; JSP; ASP

SELECT GRADUATE COURSE WORK

- Distributed Algorithms and Systems
- Hardware-Software Co-Design of Embedded Systems
- Real Time Systems
- Multi-core CPUs and Software Development

EXTRA CURRICULAR ACTIVITIES

- Co-chair of Intern Communications committee and editor of Summer Intern newsletter at Dell Inc.
- Member of the Web Advisory Committee in the Department of Computer Science at Texas A & M University
- Chairman of the Computer Science and Engineering Association (CSEA) at S.R.M Engineering College

AWARDS AND HONORS

- Awarded Graduate Assistantship & full fee-waiver scholarship by Office of Grad Studies at Texas A & M University
- Appreciated by Dell and AMD for Cost and time savings and Clients (for Wipro - Nortel & Motorola) for Proactive Measures

WORK AUTHORIZATION

Authorized to work in the US through Optional Practical Training (Visa Status: F1)

REFERENCES

References will be produced upon Request.