

Tagarathi Venkata Nageswar Rao

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Education

- M.S. in Computer Science**, Texas A&M University In Progress
Thesis Advisor: Dr. Lawrence Rauchwerger
GPA: 4.0/4.0
- B.E. in Computer Science**, National Institute of Technology, Surathkal, India. May 2001
GPA: 4.0/4.0

Research Interests

Parallel C++ Libraries
Run-time Systems

Experience

- Graduate Assistant**, Supercomputing Facility, Computing and Information Services, TAMU. 6/03 – Present
Supervisor: Spiros Vellas, Associate Director, Supercomputing Facility, TAMU
Primary task is to help users to compile, run, debug, optimize and parallelize programs to be able to run on the supercomputers.
Help in the preparation of the course material for the short courses conducted by the Supercomputing Facility
- Graduate Assistant**, Visualization Laboratory, Texas A&M University. 1/03-8/03
Supervisor: Dr. Frederic Parke, Professor, Visualization Sciences, Dept. of Architecture, TAMU
Participated in the "Next-Generation Immersive Visualization Systems" project
- R & D Engineer**, Synopsys EDA Software Pvt. Ltd, Verification Technology Group, Bangalore, India 2001–2002
Supervisor: Vikas Gautam, R&D Manager, VTG, Synopsys (India) EDA Software Ltd, Bangalore
Member of the Verilog Design Coverage Metrics team.
Developed new features and improved performance of the existing framework for determining condition coverage metrics.
- Intern**, Juno Online Services Development, Hyderabad, India 06/00-07/00
Developed an online-resume processing tool for prospective job seekers to post their resumes online. The resumes posted were stored in a resume bank. An user interface was also developed to search the database based on a variety of different criteria. It was implemented using HTML and Perl with CGI programming concepts.

Computer Skills

Languages: C++,C,Java,Fortran 90

Operating Systems: Linux,Windows,Working knowledge of AIX,IRIX,Solaris

Tools: gdb,dbx,Mambo simulator,Working knowledge of gprof,SpeedShop

Additional Information: Knowledge of MPI, OpenMP, POSIX threads

Relevant Coursework

Parallel Algorithms Design & Analysis

Special Topics in Industrial Distributed Computing Frameworks

Special Topics in Advanced Compiler Design

Computer Architecture

Operating Systems

Analysis of Algorithms