PRADEEP GARIGIPATI

http://students.cse.tamu.edu/garigipp/

3902 College Main St., Apt 1510, Bryan, TX 77801   *(713) 732-9156; pradeep.garigipati@(tamu.edu/gmail.com)*

Objective
Seeking a full time opportunity as a software development engineer.

Education

- **Texas A&M University**, College Station, Texas   Graduation Date: May 2013
  Master of Science in Computer Science (GPA: 3.64)

- **National Institute of Technology**, Durgapur, West Bengal, India.   Graduation Date: May 2008
  Bachelor of Technology in Computer Science and Engineering (GPA: 8.82/10)

Work Experience

- **Tata Consultancy Services Limited**, Mumbai, India   July 2008-June 2010
  Assistant Systems Engineer

  - Roles: WebSphere Application ServerV6.1 administration, Production support for the web applications deployed on the WebSphere server.
  - Automated application deployment on the client server using Jython scripting which decreased the app deployment time and significantly reduced the monetary resources required for the task.

- **Open Access Labs, Texas A&M University**, College Station, TX   September 2011-April 2012
  Student Worker

  - Provide solutions to computer related issues faced by the students in the computer lab.

- **USC Institute of Creative Technologies**, Playa Vista, CA   May 2012 - July 2012
  Visiting Research Assistant

  - Worked on the analysis and extraction of subsurface scattering parameters of an object using only four photographs that are taken under controlled lighting conditions.

- **Visulization Department, Texas A&M University**, College Station, TX   September 2012 - Present
  Research Assistant

  - Working on an image processing application to handle foreground-background separation. The application has client-server architecture where the clients are typically mobile devices. Apart from designing the imaging application, other server related processes like configuring the server and developing the web application are also a part of my responsibilities.

Skills

- **Programming languages:** C/C++(proficient), Python(prior experience), OpenGL(proficient), GLSL(proficient), Java(prior experience), PL/SQL(prior experience)

- **Frameworks and libraries:** Qt(proficient), Cinder(coursework), Pthreads(prior experience), MPI(coursework), CUDA(coursework)

- **Web languages and frameworks:** HTML(prior experience), CSS(prior experience), J2EE Servlets(prior experience), JavaScript(beginner)

- **Server platforms:** WebSphere Application Server V6.1(prior experience), Apache(prior experience)

- **Database platforms:** MySQL(prior experience)

- **Tools and softwares:** Photoshop(beginner), HDR Shop(intermediate), Matlab(beginner), Maple(coursework), LATEX(intermediate)

Academic Projects

- **Texas A&M University**

  - Course Project: Created an animation video for Rendering and shading class. Please find the video at the URL: http://vimeo.com/41204737
  - Course project: Developed a ray tracing renderer application with GUI interface using Qt and C++.
  - Course project: Created a physics based simulation of bird flight using Cinder and C++.
  - Course project: Implemented a parallel algorithm to do Cholesky decomposition using MPI and CUDA.
  - Course project: Studied and implemented swept volume generation for three dimensional surfaces using Maple.

- **National Institute of Technology**

  - Independent project: Designed a Java GUI application which assists in drawing Data Flow Diagrams.
  - Independent project: Developed an algorithm for bot-exploration on closed surfaces using C++.

Achievements

- Completed IBM Certification as System Administrator, WebSphere Application Server Network Deployment V6.1.
- Completed Green Belt Certification in Six Sigma.