ravipati@umich.edu **TEJA RAVIPATI** Ph: 248-961-2875
22595 Autumn Park Blvd., Novi, MI 48374

PROFILE Highly motivated programmer with strong technical and analytical skills, eager to create world-class solutions. Concerned with quality as well as quantity. Team player, easy to work with.

EDUCATION

University of Michigan, Ann Arbor, MI Expected completion: April 2013
B.S.E., Computer Science Engineering, G.P.A.: 3.98/4.00
Minor in Mathematics
Courses: Data Structures and Algorithms, Foundations of Computer Science, Numerical Methods, Discrete Math, Mathematics of Finance, Probability and Statistics, Solid Mechanics, Linear Algebra, Multivariable Calculus

PROFESSIONAL EXPERIENCE

Application Developer Intern June 2012 - August 2012
Asset Management Division at JPMorgan Chase & Co.
Responsible for the development of the web-based user interface used to present data stored in an internally used database utilizing Spring MVC framework and Apache Tomcat server.

- Built the technical architecture of the project by laying down the structure and environmental elements
- Displayed data returned for API calls to the web service in Master-Detail style JGrid tables
- Implemented search capability using Apache Solr
- Intergraded JQuery dropdown menu to allow for easy access of data from all pages of the interface
- Formatted tree-structured data into an JQuery icicle graph
- Designed JUnit test cases to verify the performance of the interface

Core Services Software Intern May 2011 - August 2011
Visteon Corporation
Responsible for the maintenance and improvement of several key PC utilities that support the run-time software architecture of the audio/ infotainment platform, requiring knowledge of several programming languages, compilers, and environments. Expected to complete the first phase, but completed all three phases of the project.

- Migrated compiling of C files and linking of object files from a MSVC++ IDE to a more flexible makefile approach in generating radio utilities
- Extracted common functions from the existing utilities and updated all the utilities to use these newly consolidated common functions
- Integrated the MCPP preprocessor into utilities to considerably reduce human errors by internalizing several processes
- Updated radio makefile to rely on newly created utility and other file dependencies which reduced the run-time by approximately 50%

ACADEMIC PROJECTS

Music Factory: Created a fun, educational game to assist in the rehabilitation of physically impaired patients at Mott Children's Hospital
Particle Filtering: Developed a program in MATLAB to generate a probability distribution function of the most likely location of an object based on data collected from sensors
TableSat: Utilized C++ programming to rotate fans attached to hardware at various speeds by considering physical constraints such as friction and gains of the velocity

COMPUTER SKILLS

Languages: C++, Java, C, HTML, JavaScript, MATLAB, Visual Basic, Q Basic, Linux, DOS, Shell, Maven, GNU Make, Phrogram
Frameworks: Spring MVC, Android Development
Applications: Apache Tomcat, Apache Solr, Microsoft Visual Studio, Green Hills Software Cross Compiler, MAPLE

ACTIVITIES

Central Student Government November 2011-April 2012
CSE Scholars January 2011-Present