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, Database Management Systems, Cryptography, Computer Architecture, Numerical Methods, Discrete Math, Probability and Statistics, 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 a web-based user interface used to extract global reference data from an internal 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, SQL, 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