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.: 3.97/4.00
Minor in Mathematics
Courses: Programming and Data Structures, Accelerated Introductory Programming, Discrete Math, Differential Equations, Probability and Statistics, Solid Mechanics, Linear Algebra, Multivariable Calculus

PROFESSIONAL   **Core Services Software Intern**   May 2011 - August 2011
EXPERIENCE   **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 which significantly simplified the maintenance of the utilities
- 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   **Music Factory:** Created a fun, educational game to assist in the
PROJECTS   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   *Languages:* Q Basic, Visual Basic, C, C++, Java, MATLAB, MAPLE, GNU
SKILLS   Make, Phrogram

LANGUAGES   Fluent in English, Spanish, and Telugu