Ronak R. Mehta

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Education

University of Michigan *Ann Arbor, MI, Class of 2014*

- Computer Engineering B.S.E.
- GPA for 2010-2013 Academic Years: 3.5/4.0
- Relevant Coursework
  - Design of Microprocessor-based Systems, Embedded Control Systems
  - Design and Manufacturing, Control Systems Analysis and Design

University of Wisconsin-Madison *Madison, WI, Present*

- Computer Sciences Department
  - First Year Ph.D. in Artificial Intelligence and Machine Learning

Work Experience

Continental Automotive Systems, Business Unit Transmission *Deer Park, IL, Summer 2013*
Embedded Software Engineering Intern

- Developed a program to randomly test multiple features of a transmission control module in parallel using NI LabView and NI bench-testing hardware.
- Was able to find bugs from previous software releases through extended test runs.
- Gained extensive knowledge of automated testing and embedded software systems.

PANDAX Collaboration, U-M Physics Department *Ann Arbor, MI, June to Dec. 2012*
Research Assistant

- Designed, modeled, and simulated 10-pole filter circuit for front-end electronics.
- Fabricated test circuits and transmission lines for R&D setup in lab.
- Gained hands-on experience working with high-vacuum and high-purity gas systems.

ChalkTalkSPORTS *Norwalk, CT, Summer 2011*
Website Maintenance/Design Intern

- Kept website updated with new products: maintain and manage and product information through Adobe Photoshop and Microsoft Excel databases.
- Maintained website as it expanded, working with HTML and JavaScript to keep website up to date.
- Automated much of the uploading process; worked with Excel VBA and Adobe ExtendScript to help make the process of uploading new products more efficient.

Activities

Student Space Systems Fabrication Laboratory *2012-2013*

- Team member working on Miniature Tether Electrodynamics Experiment
- Power subsystem, working on power distribution and control, along with related analog circuits

IEEE Student Projects Coordinator *Spring 2014*
Habitat for Humanity Collegiate Challenge *Spring 2013*
STEM Society, Engineering Outreach Coordinator *2013-2014*
Undergraduate Research Opportunity Program: Android App Development *2011-2012*

Skills

Programming Languages

- C, C++
- Java
- MATLAB (Simulink, Stateflow)
- NI LabView
- Verilog HDL

Relevant CAD programs: Multisim, Quartus, Cadence, Eclipse, Solidworks
Other programs: Adobe Photoshop, Microsoft Office Suite, Microsoft VBA