Ronak R. Mehta

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Education

University of Wisconsin-Madison *Madison, WI, Present*
- Computer Sciences Second Year Ph.D.

University of Wisconsin-Madison *Madison, WI, Class of 2016*
- Computer Sciences M.S.
- GPA for 2014-2016 Academic Years: 3.6/4.0
- Relevant Coursework: Artificial Intelligence, Machine Learning, Advanced Machine Learning, Computer Vision, Linear and Integer Programming, Statistical Inference

University of Michigan-Ann Arbor *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

Research

Detecting Localized Group Differences in Temporal Trends of SPD(n) with Applications to Neuroimaging

- We created a novel hypothesis testing framework for detecting group differences in the temporal trends among interactions of measured features, and applied it to Alzheimer's Disease datasets.
- Mehta, R., Kim, H. J., Wang, S., Singh, V., Yuan, M., Johnson, S. "Detecting Localized Group Differences in Temporal Trends of SPD(n) with Applications to Neuroimaging." 2016. (under review).

Work Experience

Continental Automotive Systems, Business Unit Transmission *Deer Park, IL, Summer 2013*
Embedded Software Engineering Intern
- Developed tools to randomly test multiple features of a transmission control module in parallel using NI LabView and NI bench-testing hardware.
- 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
- 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 and Design Intern
- Managed product data through Adobe Photoshop and Microsoft Excel databases.
- Automated new product uploading process with Excel VBA and Adobe ExtendScript..

Activities

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

Skills

Programming Languages: C, C++, MATLAB, Java, JavaScript, Python
Relevant CAD programs: Multisim, Quartus, Cadence, Eclipse, SolidWorks
Other programs: Adobe Photoshop, Microsoft Office Suite, Microsoft VBA