

Syed Hasan Jamal

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EDUCATION

University of Michigan - Ann Arbor

September 2008 - April 2012

BSE in Electrical Engineering

Cumulative GPA: 3.1/4.0

- Embedded Control Systems*
 - Advanced Signal Processing*
 - Digital Communication Signal and Systems
 - Digital Signal Processing Laboratory
 - Digital Logic Design
 - Electric Machinery and Drives*
 - Control Systems Analysis and Design
 - Electronic Circuits
 - Digital Signal Processing and Analysis
 - Programming Introductory Data Structures
- *currently enrolled

RELEVANT EXPERIENCE

Trelleborg Automotive USA, Inc. - Bloomfield Hills, Michigan

May 2011 - August 2011

Advanced Engineering Summer Intern

- Programmed and tested controller for an Active Vibration Cancellation System for automobiles
- Installed Active Vibration Cancellation harness in multiple vehicles for testing
- Successfully reduced effects of vibration and cabin noise level by 5 dB

Digital Signal Processing Laboratory (EECS 452) - Ann Arbor, Michigan

January 2011 - April 2011

Major Design Experience Class

- Designed and implemented a communication system between computer, FPGA, processor and wireless robot
- Integrated wireless RF modules to transmit op-codes to control wireless robot
- Implemented a digital signal processing algorithm in a memory-constrained environment

Undergraduate Research Opportunity Program - Ann Arbor, Michigan

September 2010 – April 2011

Development of Radar and Radiometer Technology

- Conducted acceptance tests on various components using a network analyzer
- Designed a wiring scheme for installation of components on metallic heat-sink plate
- Constructed and tested the front stage of an L-band board for use in a radiometer device

HONORS AND ACTIVITIES

Awards

- Outstanding Epeians Initiate (Engineering Leadership Honor Society) **December 2011**
- Outstanding Presenter Award at the 2011 UROP Research Forum **April 2011**

Professional Development:

- **Computer Science and Engineering Scholars Club - Ann Arbor, MI** **September 2010 - Present**
President, December 2011 - Present
 - Restructured organization to work more efficiently
 - Organizing and executing social, corporate and volunteer events with executive board members
- *Vice President, September 2011 - December 2011*
 - Organized and ran college wide tutoring program for EECS students
- **Epeians (College of Engineering Leadership Honor Society)** **December 2011 - Present**
 - Responsible for managing organization's financial status and bank accounts

COMPUTER SKILLS:

Languages: C, C++. Moderate experience with Verilog and VHDL

Software: MATLAB, Simulink, Stateflow, Visual Basic, Maple, Microsoft Office, Adobe Photoshop

LANGUAGE SKILLS:

Fluent in Urdu and Hindi. Some conversational Punjabi