

RESUME

Md Mamun Al-Rashid

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EDUCATION

- PhD student, August 2013 – Present
Electrical Engineering
Virginia Commonwealth University, Richmond, VA, USA.
- Bachelor of Science in Electrical and Electronic Engineering
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh.

RESEARCH INTERESTS

- Modeling, simulation and stochastic analysis of Nanomagnetic Devices
- Spintronics
- Embedded systems

PROJECT WORKS

- Security System Design of a Multi-storied Shopping Mall (CCTV) with cost analysis.
- Automated salary counter for a University using magnetic card punch method.
- Design and Simulation of a 4 bit Computer.
- Design of electrical wiring system of a multistoried Building.
- Design of a password protected automatic door locking system.
- Design of a single phase step down Transformer.
- Design of an Embedded Guitar tuner.
- Design of a velocity and acceleration meter.
- Development of a program in MATLAB to calculate different transmission line parameters.
- Layout design of n bit increment and decrement circuit.
- Layout design of 3input XOR gate.
- Transistor level design of 4 bit ALU
- Verilog HDL design of an 8 bit 8051 microcontroller core.

WORK EXPERIENCE

- Graduate Teaching Assistant
Virginia Commonwealth University, Richmond, VA, USA
August 2013 - Present
- ASIC Design Engineer
Fastrack Anontex Ltd, Bangladesh.
April 2012 - January 2013
- Lecturer, Department of Electrical and Electronic Engineering
Daffodil International University, Bangladesh.
January 2013 - July 2013

AWARDS

- Dean's List (Awarded by Dean, Faculty of EEE, BUET)
- H.S.C'2006 Scholarship from Rajshahi Education Board, Bangladesh.
- S.S.C'2004 Scholarship from Rajshahi Education Board, Bangladesh.