SOMNATH DESHMUKH

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EDUCATION

University of Illinois at Urbana-Champaign, IL   **May 2016**
Bachelors in Computer Engineering

Coursework includes: ECE 391 (Computer Systems Engineering), CS 374 (Algorithms & Computing Models), CS 425 (Distributed Systems), CS 225 (Data Structures), CS 411 (Database Systems), CS 438 (Communication Networks), ECE 385 (Digital Systems Laboratory), ECE 313 (Probability with Engr. Applications), ECE 330 (Power Electronics), ECE 333(Green Electric Energy), ECE 210 (Analog Signals Processing), ECE 198KL(Computer Engineering and Machine Language), ECE 198JL(Intro to Computer Engineering Logic Design), ECE 110 (Intro to ECE)

Skills:
- Computer Programming – C, C# and C++,
- Computer Assembly/Packaging
- Web Development – HTML and CSS

WORK EXPERIENCE

Delphi Electronics & Safety   **May 2015 – August 2015**
Software Intern   **Auburn Hills, Michigan**

- **CANoa Testing Tool:**
  Developed an economical testing interface using the Vector CANoa tool to assist the system engineers in replicating the functionalities of a Ford/Lincoln 2017 Door Control Unit in their personal workspace, thereby minimizing hardware costs
- **Ford Thermal Protection System:**
  Assisted in the design of the Thermal Protection System for the Ford 2017 Door Control unit by conducting low-level unit tests to evaluate code efficiency and robustness of the system
- **Dynamic Object Oriented Requirements (DOORS) Scripting:**
  Assisted the lead system engineer to develop the DOORS script to monitor and evaluate the progress and competency level of various automotive projects and accumulate the data in an excel spreadsheet

Delphi Electronics & Safety   **May 2014 – August 2014**
Body Security Systems Intern   **Auburn Hills, Michigan**

- **Ford Door Control Unit:**
  Designed a simplified testing interface to detect and test various transmitted and received signals for the Door Control Module
- **Chrysler Body Control Module:**
  Prepared the Requirement Analysis Report pertaining to different Vehicular Functions in the Chrysler 2015 Body Control Module for future technical developments
- **GM Hands Free Opener:**
  Assisted in development and testing of the product, and conducted a deep rooted competitive market evaluation for the future prospects of the product

ECE 110 Lecture and Lab Sections   **Fall 2013 – Present Day**
Undergraduate Teaching Assistant

- Assisting 400 students enrolled in ECE 110 with the coursework by conducting Lecture Office hours, Lab and guiding the Honors Section students with various enlightening projects to improve their knowledge about Electrical Engineering

LEADERSHIP EXPERIENCE

Engineering Employment EXPO Committee   **Fall 2012 – Fall 2015**

- **Co-Director:** Lead a team of highly motivated students to organize the Spring 2015 and Fall 2015 EXPO and improved student-recruiter relationship by handling major corporate interactions
- **Treasurer:** Demonstrated managerial skill in handling accounts and finances procuring to the Engineering Employment EXPO, and diligently managing Corporate Financial relations with different companies
- **Corporate Events Co-Coordinator**: Planned EXPO Corporate Social during Spring 2013 and Fall 2013 for over 200 Corporate Representatives and students

Engineering Open House EOH Committee   **Spring 2014 – Spring 2015**

- **Internal Marketing Director**: Promoting EOH within the campus in order to increase participation amongst students, faculty and staff with the assistance of the Publicity Committee

Indian Language School Lagos, Nigeria   **May 2011 – May 2012**
Head Boy, President of the Student Council

Lead student body of over 2,200 students by organizing various extra-curricular events to improve their experience