

SUDARSHAN GOVINDAPRASAD

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EDUCATION

B.S. Computer Science, University of Illinois, Urbana-Champaign

December 2016

Honors: Engineering Dean's List in Spring 2015, Fall 2014, and Spring 2014, James Scholar

GPA: 3.79/4.00 **CS GPA:** 3.88/4.00

Phi Eta Sigma

EXPERIENCE

American International Group

Fort Worth, TX

Virtual User Computing Intern (Ongoing)

June 2015 – August 2015

- Performed Data Scrubbing on a large database and cross-validated users' information across multiple databases
- Developed a repeatable streamlined process to automate validation of several user access requests for Virtual Desktops
- Created a user interface which provides appropriate negative feedback, reducing errors and allowing for standardization
- Designed a data dictionary associated with business rules, relationships and data sources, and data definition documentation

University of Illinois, Urbana-Champaign

Urbana, IL

Teaching Assistant CS 225 Data Structure

Spring 2015- Present

- Worked cohesively in a team to illustrate complex concepts surrounding Data Structures to a group of 40 students
- Fostered critical thinking skills in students to tackle challenging Machine Problems

Rockwell Automation

Cleveland, OH

Networks and Communications Engineering Intern

Summer 2014

- Collaborated with team of 15 employees to assist clients in resolving client issues
- Examined networks and implemented security measures to restrict access and provide secure connections to clients' networks
- Effectively administered protocols and measures required to route traffic efficiently and load balancing the network
- Utilized Wireshark, a network protocol analyzer, to inspect Ethernet/IP & TCP/IP packets on the network
- Conducted testing and research in order to recommend the best methodology required to troubleshoot USB communications

Rockwell Automation

Singapore

Engineering Intern

Spring 2013

- Pioneered the process of redesigning the Manual Insertion Process in the Production line
- Applied Lean Six Sigma concept "DMAIC" to document and analyze the process
- Communicated with stakeholders from Production and Engineering departments to design comprehensive WorkAids
- Successfully increased the efficiency of Manual Insertion by 92.5%

MediumBold

Boston, MA

Engineering Intern

December 2011

- Actively participated in client and team meetings to understand firm's business strategy and delivery methodology
- Meticulously carried out cross-browser testing on operating systems and mobile devices

SKILLS

C++, C, Python, Java, JavaScript, Firebase, R, HTML, LC3, Verilog, Ladder Logic, Lean Six Sigma

LEADERSHIP AND ACTIVITIES

SportsHub

Spring 2015

- Managed a team to design a Chrome Extension that allows users to view live Sports Data using Firebase, Python and JavaScript
- Created an application that centers on promoting multi-tasking and ease-of-use
- Conducted User Testing and Heuristic Evaluation to assess effectiveness of design to reduce gulf of execution and evaluation

DoorHop

HackIllinois 2015

- Integrated NFC card readers on doors to build a service that links ID cards to a messaging system that keeps track of visitors
- Used the Twilio REST & TwiML API to send messages, initiate voice calls and retrieve and log conversations using Python

Last Layer

MHacks 2014

- Built a two-factor authentication system using a Raspberry Pi with an integrated RFID Scanner
- Designed code that linked the user's Venmo account and used Twilio as the second layer of security verification

RainGame

HackIllinois 2014

- Headed a team to build a Java Applet Game which tested the player's reaction speed
- Wrote an algorithm that used the player's input to vary speed and background color