



sgovindaprasad



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# SUDARSHAN GOVINDAPRASAD

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

Graduation Date: May 2017

Cumulative GPA: 3.79/4.00 Technical GPA: 3.88/4.00

Honors: Dean's List, James Scholar

Phi Eta Sigma

## EXPERIENCE

**American International Group**  
Virtual User Computing Intern  
Fort Worth, TX  
Summer 2015

- Engaged with client teams to design and implement a scalable process to support the expedited transition of 15000 users to a Citrix Virtual Environment
- Achieved transparency in the decision making process by implementing an interactive dashboard using Microsoft PowerBI
- Formulated data model to process new requests into a relational database using SQL
- Automated request process using Powershell to cross validate multiple data sources

**University of Illinois**  
CS 241 Course Assistant  
Systems Programming  
Fall 2015

- Developed machine problems for topics in Systems Programming involving Multi-Threaded Programming, Memory Allocation, MapReduce as well as Key/Value stores
- Designed stimulating questions to enable migration from paper based to live coding exams

**Rockwell Automation**  
Networks and Comm. Intern  
Cleveland, OH  
Summer 2014

- Collaborated with a team to assist clients in resolving networking and security related issues
- Examined networks and effectively administered protocols, security measures to provide secure connections for client networks and route & load balance traffic efficiently
- Utilized Wireshark, a network protocol analyzer, to inspect Ethernet/IP & TCP/IP packets

**University of Illinois**  
CS 225 Course Assistant  
Data Structures  
Spring 2015

- Illustrate complex concepts involving Data Structures to a class of 400 students
- Fostered critical thinking skills in students to drive deeper understanding of concepts

**Rockwell Automation**  
Process Engineering Intern  
Singapore  
Spring 2013

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

## PROJECTS

**SportsHub**  
Spring 2015

- Managed a team to design a Chrome Extension that allows users to view live Sports Data
- Conducted User Testing and Hueristic Evaluation to assess effectiveness of design
- Administered the backend using Firebase and Python and the front end with jQuery and CSS

**IlliniViz**  
Fall 2015

- Working on creating a Web App that informs prospective applicants and incoming students with admission information and demographic information for UIUC
- Utilized data vizualization library D3.js and R to bring about interactivity

**DoorHop**  
HackIllinois2015

- Designed a Web App to virtualize the experience of having a personal assistant
- Integrated NFC card readers on doors to a messaging system to keep track of visitors
- Used Twilio REST API to retrieve and log conversations to facilitate real time communication

**LastLayer**  
MHacks 2014

- Integrated Raspberry Pi, RFID scanners and Twilio to build a two-factor authentication system

## PROFESSIONAL SKILLS

C ● ● ● ● ●

C++ ● ● ● ● ●

JAVASCRIPT ● ● ● ● ●

PYTHON ● ● ● ● ●

R ● ● ● ● ●

D3.JS ● ● ● ● ●

JAVA ● ● ● ● ●

VERILOG ● ● ● ● ●

VISIO ● ● ● ● ●

VISUAL BASIC ● ● ● ● ●

SHAREPOINT ● ● ● ● ●

POWERBI ● ● ● ● ●