

# SUDARSHAN GOVINDAPRASAD

sudarshangp.com

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

Graduation : May 2017

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

Honors : Dean's List, James Scholar, Phi Eta Sigma

Coursework : Data Structures, Systems Programming, Computer Architecture, User Interface Design, Probability in CS, Engineering Entrepreneurship

Technical Skills : C, C++, Javascript, D3.js, R, HTML, CSS, SQL, MIPS, Powershell, VBA



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## EXPERIENCE

### AIG

Virtual User Computing Intern  
Fort Worth, TX  
Summer 2015

Engaged client teams to design and implement a scalable process to support the expedited transition of 15000 users to a Citrix Virtual Environment

- Formulated a data model to automate processing new requests into a mySQL database
- Took an initiative to create an interactive dashboard leveraging Microsoft PowerBI to provide real-time statistics and facilitate decision making

Chosen to present my concept of workflow management to C Level Executives

### Rockwell Automation

Networks and Comm. Intern  
Cleveland, OH  
Summer 2014

Resolved network security related issues

- Inspected Ethernet/IP & TCP/IP Packets using Wireshark, a network protocol analyzer
- Effectively examined client networks, administered security measures such as SSH and VPN to provide secure connections and load balance traffic efficiently

### Rockwell Automation

Process Engineering Intern  
Singapore  
Spring 2013

Successfully increased the efficiency of Manual Insertion Process by 92.5 %

- Applied Lean Six Sigma concept "DMAIC" to document and analyze the process
- Pioneered the design of the process flow to enhance reliability
- Communicated with Production and Engineering teams to design comprehensive WorkAids that allow for scalability

### CS@ILLINOIS

CS 241 Course Assistant  
Systems Programming  
Fall 2015

Developed programs in C to represent real-world Systems Programming applications

- Included topics such as Multi-Threaded Programming, Memory Allocation, MapReduce, Networking and HashMaps

Formulated stimulating questions to enable migration from paper based to live coding exams

### CS@ILLINOIS

CS 225 Course Assistant  
Data Structures  
Spring 2015

Illustrated complex concepts involving Data Structures in C++ to a class of 400 students

- Fostered critical thinking skills in students to drive deeper understanding of concepts

## PERSONAL 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
- Designed the backend using Firebase and Python and the front end with jQuery and CSS

### IlliniViz

Fall 2015

Created a Web App to aid decision making process for prospective applicants to UIUC

- Implemented interactive features by utilizing data vizualization library D3.js and R to unify admission and demographic statistics

### 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
- Facilitated real time communication by using Twilio REST API to retrieve conversations

### LastLayer

MHacks 2014

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