

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

GestureNav

HackMIT 2015

Led a team to create a platform to support gesture recognition for android wearables

- Implemented gesture control to play music, initiate calls, support location services with Google Maps and emergency response service
- Designed an android app in Java to actively recognize tilt and flick gestures

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

Summer 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