

SUDARSHAN GOVINDAPRASAD

sudarshangp.com

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

Graduation : Dec 2016

GPA : 3.80/4.00 Technical GPA : 3.84/4.00

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

Coursework : Data Structures, Algorithms, Systems Programming, Networking, Database, Data Science, Applied Machine Learning, Social Visualization

Technical Skills : C++, C, Python, SQL, Java, JavaScript, D3.js, R, HTML, CSS



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EXPERIENCE

Facebook

Tech. Program Manager Intern
Menlo Park, CA
Summer 2016

Successfully led cross-functional big data infrastructure programs spanning **15+** Eng. teams

- Devised and executed plan to reduce Hadoop Warehouse Disaster Recovery time by **90%**
 - Developed model to improve accuracy of Long Range Capacity Planning for Hadoop Clusters
- Nominated to share project insights and learning experiences with Facebook Leadership Team

AIG

Virtual User Computing Intern
Fort Worth, TX
Summer 2015

Engaged client teams to implement a scalable process to transition **15000** users to Citrix

- Formulated a data model to automate processing new requests into a MySQL database
 - Created a dashboard leveraging Microsoft PowerBI to provide real-time statistics
- Chosen to present my concept of workflow management to C Level Executives

Rockwell Automation

Networks and Comm. Intern
Cleveland, OH
Summer 2014

Resolved client 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
- Communicated with Production and Engineering teams to design comprehensive WorkAids that allow for scalability and reliability

CS@ILLINOIS

CS 225/241 Course Assistant
Data Structures, Systems Prog.
Spring 2015, Fall 2015

Illustrated complex concepts involving Data Structures in C++ and Systems Programming in C

- Fostered critical thinking skills in students to drive deeper understanding of concepts
- Developed programs in C to represent real-world Systems Programming applications

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 using Presto to actively recognize tilt and flick gestures

DemoViz

Spring 2016

Created a web application to analyze 15 years of University of Illinois enrollment statistics in terms of Ethnicity, Gender and Retention trends

- Designed MySQL schema and used regression analysis to predict student enrollment
- Utilized Flask web framework, D3.js, MySQL and Materialize CSS framework

SportsHub

Spring 2015

Managed a team to design a Chrome Extension that allows users to view live sports data

- Conducted User Testing and Heuristic Evaluation to assess effectiveness of design
- Designed the backend using Firebase and Python and the front end with jQuery and CSS

Virtual Office Hours

Spring 2016

Prototyped a web platform to facilitate virtual office hours for classes with high enrollment

- Implemented real time communication chat backend using Flask, socket.io and MongoDB