

SUDARSHAN GOVINDAPRASAD

sudarshangp.com



sgovindaprasad



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

Graduation Day : 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

Transferable Skills : Ideation, Individualization, Activator, Adaptability, Maximizer

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

EXPERIENCE

American International Group

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 data model to automate processing new requests into a mySQL database
- Created 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 %

- Pioneered the design of the process flow of Manual Insertion to ensure reliability
- Applied Lean Six Sigma concept "DMAIC" to document and analyze the process
- Communicated with Production and Engineering teams to design comprehensive WorkAids
- Developed machine problems in C for topics in Systems Programming involving Multi-Threaded Programming, Memory Allocation, MapReduce as well as KeyValue stores
- Designed stimulating questions to enable migration from paper based to live coding exams

CS@ILLINOIS

CS 241 Course Assistant

Systems Programming

Fall 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

CS@ILLINOIS

CS 225 Course Assistant

Data Structures

Spring 2015

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 Heuristic 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 provides prospective applicants and incoming students with admission information and demographic information for UIUC
- Implemented interactive features by utilizing data visualization library D3.js and R

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