SUDARSHAN GOVINDAPRASAD

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B.S. Computer Science, University of Illinois, Urbana-Champaign
Graduation Date: December 2016
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 transperancy 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
Urbana, IL
Fall 2015

- Developed machine problems 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

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
Urbana, IL
Spring 2015

- Worked cohesively in a team to 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 send messages, initiate voice calls and retrieve and log conversation

LastLayer
MHacks 2014

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

PROFESSIONAL SKILLS

Skill	Level	Skill	Level	Skill	Level
C	●●●●○	R	●●●●○	VISIO	●●●●○
C++	●●●●○	D3.JS	●●●●○	VISUAL BASIC	●●●●○
JAVASCIPT	●●●○○	JAVA	●●●○○	SHAREPOINT	●●●●○
PYTHON	●●●○○	VERILOG	●●●○○	POWERBI	●●●●○