in sgovindaprasad

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SUDARSHAN GOVINDAPRASAD

sudarshangp.com

B.S. Computer Science, University of Illinois, Urbana-Champaign
Graduation Date: May 2017
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
- Took an initiative to identify frequently used statistics in the decision making process and implemented an interactive dashboard using Microsoft PowerBI to provide this data live
- Formulated data model to process new requests into a mySQL database
- Automated request process using Powershell to cross validate multiple data sources

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 Cisco router networks and effectively administered protocols, security measures to provide secure connections for client networks and route & load balance traffic efficiently
- Inspected Ethernet/IP & TCP/IP Packets using Wireshark, a network protocol analyzer

Rockwell Automation
Process Engineering Intern
Singapore
Spring 2013

- Pioneered the redesign of the process flow of Manual Insertion to ensure reliability
- Applied Lean Six Sigma concept "DMAIC" to document and analyze the process
- Successfully increased the efficiency of Manual Insertion Process by 92.5 %
- Communicated with Production and Engineering teams to design comprehensive WorkAids

University of Illinois
CS 241 Course Assistant
Systems Programming
Fall 2015

- 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

University of 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
- 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 vizualization 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

PROFESSIONAL SKILLS

Transferable Skills

- Ideation, Learner, Individualization, Maximizer, Restorative

Technical Skills

- C, C++, Javascript, Python, Java, R, D3.js, PowerScript, Visual Basic, PowerBI