SUDARSHAN GOVINDAPRASAD

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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 with 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 leveraing 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

• 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 design 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

CS@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

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

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