

NICOLE MONTANO

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Summary

Computer science student seeking full time work involving research, programming, virtualization, databases, or something new for 2016.

Experience

SOFTWARE ENGINEERING INTERN

Cisco Systems, San Jose, CA

Summer 2015

- Wrote Python script extracting needed configuration details for a variety of gateway types from large text files and exporting to XLSX file
- Setup and configure virtual machines on Cisco unified computing servers to emulate LTE architecture

Projects

FANTASY MOVIE STUDIO (HACKDFW 2015)

- As a team, won Best Use of Microsoft Azure
- Wrote Python web scraper with Scrapy framework
- Utilized REST API calls in conjunction with web scraper and SQL database
- Set up cron job in virtual environment on Microsoft Azure backend

BULLS AND COWS

- As a team, implemented a paper and pencil game as a computer game written in MIPS assembly language and run in MARS Simulator
- Wrote assembly code that interpreted user-entered hexadecimal number and compared it to a random, program-generated number
- Delegated program components to team members

Education

B. S. IN COMPUTER SCIENCE

The University of Texas at Dallas

December, 2015 (expected)

Activities

WOMEN WHO COMPUTE

President of community outreach organization

GRACE HOPPER CELEBRATION 2014

Recipient of university grant to attend women's computing conference in Phoenix, Arizona

ASSOCIATION OF COMPUTING MACHINERY (ACM)

Member of UT Dallas chapter

SOCIETY OF WOMEN ENGINEERS (SWE)

Member of UT Dallas chapter

Computer Proficiency

LANGUAGES

Python

Java

C/C++

SQL

HTML

CSS

TOOLS

git

Photoshop

VMWare

Relevant Coursework

C++ Programming

Java Programming

Python Programming

Discrete Mathematics

Database Systems

Artificial Intelligence

Machine Learning

Probability and Statistics

Computer Architecture

Operating Systems Concepts

Data Structures

Algorithms

Automata Theory

Programming Languages

C/C++ Programming in a UNIX Environment

Software Engineering

Digital Logic and Systems Design

Work Authorization

U.S. Citizen