Rose Soriano

Computer Engineering Student

Self-motivated Senior Computer Engineering student committed to improving development skills, cloud, CI/CD, and configuration management. Ready to apply oneself to real-world applications and problem solving with self-initiative, organization, and respect to others.

Work Experience

TechOps Intern - *Arthrex California Technology (Santa Barbara, CA)*
Internship among TechOps team learning crucial DevOps and IT principles.

- Revamped DevOps Atlassian Jira service desk and redirected 30% of general tickets to specified ticket buckets.
- Coded bash scripts to facilitate a clean up process of stale feature branches of Bitbucket and GitHub source code repositories.
- Documented and recorded the process and procedure of the execution of scripts on Atlassian Confluence pages for the future team member use.

Project Showcase

Arduino LED-Screen Portable Message Display

Arduino

- Single-handedly conducted broad research on circuit components and Arduino Nano in order to prepare conceptual designs and specifications for hands-on fabrication, material, and performance validation.
- Operated a soldering iron station to solder connections between wires and modules on a blank PCB board.
- Wrote and implemented Arduino scripts on the Arduino IDEA to display personalized messages to enhance user experience.

Merkle Tree Application

Java

- Designed and developed specific application of Merkle Tree data structure using knowledge of hashing, polymorphism, and object-oriented programming.
- Led and collaborated group of 2 engineers in design and development to accomplish objectives by deadlines, while maintaining software documentation in GitHub and Google Drive.
- Developed UML flowcharts and diagrams to describe and lay out logical operational steps.

Implementation of Linux Shell

C++

- Built, tested, and deployed a runnable Linux shell that emulates basic and intermediate Linux commands involving pipelining, input/output redirection, and forked processes.
- Researched, designed and implemented scalable functions for file reading/writing by extraction, analysis, retrieval and indexing.
- Debugged program errors with analytical approach focused on troubleshooting, diagnosing and resolving each problem, utilizing GDB and frequent output statements.

Relevant Coursework

Software: Data Structures and Algorithms, Intro to Computer Systems, Computer Architecture & Design, Programming Languages, Discrete Structure Computing
Hardware: Intro to Digital System Design, Intro to Computer Systems, Electric Circuit Theory, Computer Architecture & Design, Signals and Systems, & more.

Leadership & Involvement

2018-2019 • **PHILIPPINE STUDENT ASSOCIATION • OFFICER**: WEBMASTER
In charge of designing and upholding information on the organization's website, connecting to the 100+ active members via social media and digital methods, as well as helping plan and carry out events for the organization. Still active member
2017-2020 • **COLLEGIATE POWERLIFTING TEAM • MEMBER**
Participated in weekly team practices- frequently volunteering to judge high school and USAPL meets. Competed twice at Collegiate Nationals in 2018 and 2019.

Contact

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WWW
https://github.com/rosesoriano-dtx

Skills

- Linux OS — Excellent
- Python — Excellent
- C++ — Excellent
- Java — Excellent
- Organizational Tools — Excellent
- Interpersonal Communication — Excellent
- Verilog — Good

Education

2017-08 - Current
Bachelor of Science: Computer Engineering
Texas A&M University - College Station, TX
2013-08 - 2017-06
High School Diploma
Wakeland High School - Frisco, TX
Graduated Top 10% with AP Honors Award

Hobbies

Motorcycle riding, PC building, Powerlifting