

# Rose Soriano

## Computer Engineering Student

Self-motivated senior committed to improving development skills, cloud, and software system infrastructure. Proud team player and passionate about meaningful user-experiences and inclusivity in applications.

### Work Experience

2021-05 -  
2021-08

#### TechOps Intern

*Arthrex California Technology, Santa Barbara, CA*

Internship among TechOps team learning crucial DevOps and IT principles.

- Coded bash scripts to facilitate a clean-up process of stale feature branches of Bitbucket and GitHub source code repositories
- Implemented a public library onto a project by modifying Dockerfile and Kubernetes .yaml files
- Used CircleCI and Jenkins to create a basic CI/CD pipeline
- Revamped DevOps Atlassian Jira service desk and redirected 30% of general tickets to specified ticket buckets
- Documented process and procedure on Atlassian Confluence pages of the execution of scripts for future team member use

### Project Showcase

#### Pokemon Guide Web App [Curr. Project] - (Full Stack & DevOps)

- Implemented a Jenkins CI/CD pipeline to update AWS EC2-hosted website automatically with code changes from GitHub webhook
- Staged in the pipeline Docker image and container creation using Dockerfile to install necessary Flask dependencies for application
- Project manager, thus took upon Agile methodology and the task of deployment in AWS to manage and secure EC2 instance and RDS PostgreSQL database, as well as verify connectivity
- Continuous support in back-end API integration and front-end development to ensure user accessibility

#### TV Show/Movie Recommendation System - (Java, PostgreSQL)

- Designed a full-stack database application that interfaces between a local application (Java GUI + JDBC) and cloud-based database
- Cleaned big data and mass-populated it into tables of AWS-hosted PostgreSQL database
- Applied Git source code management and Waterfall development methodology among a team

#### Arduino LED-Screen Portable Message Display - (C++)

- Coded C++ scripts on the Arduino IDE to display personalized messages on LED screen.
- Conducted research on circuit components and Arduino Nano to prepare conceptual designs for hands-on fabrication (soldering), material, and performance validation.

#### Step Counter on Raspberry Pi - (Python)

- Interfaced an accelerometer sensor with a Raspberry Pi to be able to detect the amount of steps a person takes with 98% accuracy
- Applied signal filtering and interpolation with Python libraries to process movement consistently from raw data readings

#### Portfolio Website - (HTML/CSS/JS, Bootstrap)

- Won Top 3 award in Programming Studio class

### Education

2017-08 -  
2022-05

#### BS: Computer Engineering, Minor in Mathematics

*Texas A&M University - College Station, TX*

### Contact

#### Address

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#### E-mail

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#### WWW

<https://github.com/rosesoriano-dtx>

### Skills

Python  
C++  
Java  
HTML/CSS/JavaScript  
Bootstrap  
Docker  
Bash Scripting  
DevOps principles  
Git  
Jenkins/CircleCI  
Agile

### Involvement

#### 2018-2021 • 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.

#### 2021 • oSTEM • MEMBER

A non-profit professional association for LGBTQ+ people in the STEM community

### Relevant Coursework

**Software:** Data Structures and Algorithms, Computer Systems, Computer Architecture & Design, Programming Studio, Discrete Structure Computing

**Hardware:** Intro to Computer Systems, Electric Circuit Theory, Computer Architecture & Design, Microcontroller Systems, Signals and Systems