Hello
Zachary Laguna

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Skills

"Highly engaged and passionate in designing programs in order to solve problems. Creative and upbeat personality makes the workplace enjoyable while keeping the task at hand."

Experience

June 2022 - PRESENT
Fujitsu, Richardson, Texas – *Software Engineer*

- Developed and integrated Core Platform components, including cross-cutting concerns such as logging, security, persistence, high availability, notifications, messaging, RESTful APIs
- Worked on a microservices project turning the company's monolithic architecture into a scalable microservice with Docker
- Worked in an Agile SCRUM team Participating in discussions pertaining to architecture and cost-benefit analysis

January 2022 - Present
Sigma Alpha Mu, College Station, Texas – *Vice President*

- Led and oversaw 5 committees regarding event planning, recruitment, marketing, philanthropy, and scholarship
- Ensured the financial state of the organization was well maintained

June 2021 - August 2021
Fujitsu, Richardson, Texas – *Software Development Intern*

- Subject matter expert / Lead developer of a Cloud Native network testing web application
- Presented product to upper-level management (Vice President level)
- Worked in a SCRUM team using an Agile methodology
- Introduced new technologies to the company including responsive design, Angular, Ionic, Flask / Django (Python) REST API, JavaScript, Kubernetes, and Docker microservices
- Worked with professionals with 10+ years of experience

July 2020 - May 2021
Texas A&M University, College Station, Texas – *Teaching Assistant*

- Instructed students on the basics of Python programming
- Diagnosed and debug students' assignments
- Created and modify assignments to optimally teach a concept

March 2019 - May 2019

NVIDIA, College Station, Texas – *Certified Machine Learning Instructor*

- Instructed attendees on the basics of machine learning using Nvidia API
- Taught fundamental techniques and tools required to train a deep learning model
- Managed a team of five volunteers to instruct a room of 100 attendees

Education

August 2018 - PRESENT

Texas A&M University, College Station, Texas – *Computer Engineering*

This interdisciplinary program approaches both computer hardware and software from an engineering perspective. Students take courses in electrical circuits, microcomputer systems, programming languages, data structures, analysis of algorithms, and software engineering.

Awards

Texas A&M University Honor Program - 3 yr
Texas A&M University Dean's List - multiple semesters
Safe2save Philanthropy Prize Winner

Software Projects

Python, Flask, REST API, Angular, HTML, CSS, Javascript, Kubernetes, Docker, Flask / Django (Python)

Fujitsu – *Fiber Connection Status Indicator*

- Developed a cross-platform web application that could test and visualize fiber connections on Fujitsu Optical Network products
- From prototype to an official release, I complete a production version of the Fiber Connection Status Indicator using
    - Frontend: Angular (HTML, CSS, JavaScript)
    - Backend: Flask / Django (Python), Kubernetes, Docker
    - Development Process: CI/CD, Agile Method, Git, Jira, Jenkins

REST API, Angular, HTML, CSS, Javascript, Apache, Docker, Spring Boot (Java), Raspberry Pi

Capstone Project – *Gordobot*

- Created a robot that dispenses ingredients based on a recipe and user input on a web application
- Acted as Project Lead in designing the application
    - Frontend: Angular (HTML, CSS, JavaScript)
    - Backend: Spring Boot (Java), Apache, Amazon EC2 (AWS), Docker, Python (Raspberry Pi), JavaScript
    - Tools: Agile Method, Git