MHEALYSSAH BUSTRIA

mhea.bustria@gmail.com   www.linkedin.com/in/mhea-bustria
(808) 589 - 6282   https://github.com/bustr003

EDUCATION

California State University San Marcos | GPA 3.26
Bachelor of Science in Computer Science
AUG 2015 - DEC 2020 (expected)

EXPERIENCE

Teaching Assistant - Computer Science

JUL 2019 - present
- Design, review, and refine online **Python** and **C++** learning activities for 100+ college students per semester.
- Facilitate team task management by preparing and maintaining over 10 **Trello** boards.
- Streamline the calculation and tracking of assignment submissions by creating spreadsheet templates.
- Demonstrated computer science concepts by creating over 15 videos using **Adobe Premiere Pro** and **YouTube**.
- Decreased time needed to finalize videos by developing a **Python** script that transforms a video transcript into SubRip Subtitle format.

Center for Research and Engagement in STEM Education (CRESE)

Operations Lead, APR 2019 - present
- Arrange and communicate schedules and other operations for a team of 20+ employees and volunteers.
- Support research efforts by organizing attendance and survey data of over 260+ K-12 students per semester at 13+ Mobile Making sites.
- Increase reusability and consistency in records and forms by creating templates using **Google Drive**.
- Increase efficiency of correspondence tasks by developing **C++** programs that use provided data to fill message templates.

STEM Ambassador, JUN 2018 - APR 2019
- Encouraged STEM interest in underserved communities by facilitating weekly Mobile Making sessions, which bring hands-on STEM activities to K-12 sites.

Ritz d'Lites boba shop - Cashier and Server

OCT 2017 - AUG 2019
- Interacted with guests and cooperated with fellow employees, striving for customer satisfaction with each drink order.

PROJECTS

COVID-19 Data Science Analysis
Research Trainee - UCSD Summer Internship

JUN 2020 - AUG 2020
- Identified trends in a collection of 75,000+ COVID-19 patient records by using **Python** to access and analyze the data, then using the **matplotlib and seaborn libraries** to generate graphs.
- Maintained synchronization among the 4-member team by developing code in a **Google Colab Notebook**, and improved the readability of the supporting content using **Markdown**.

Leadership Impact Poster for CRESE
Southern California Conferences for Undergrad. Research

NOV 2019
- Highlighted CRESE's impact on undergraduate leaders by communicating with four faculty members to compile research results, then preparing and presenting a poster with three STEM Ambassadors.

Service Impact Website for Cougar Pantry
Fab Friday at CSUSM

AUG 2018 - MAY 2019
- Supported CSUSM's food distribution service by designing their website using **HTML** and **CSS**.
- Highlighted the impact of Cougar Pantry on food-insecure students by organizing and accessing data using **MySQL**, then generating charts using **JavaScript**.
- Maintained records of resources, discussion notes, and tasks for all team members.

ACTIVITIES

Developer Student Clubs CSUSM

Graphic Design Lead, JAN 2020 - present
- Produce digital assets, maintaining consistency in design templates to promote club activities, with the goal of strengthening a community of student developers.

Tutor - Elementary English, Math, and Spanish

SEP 2018 - present
- Assist special-needs sister with educational activities, applying various strategies to form positive and engaging learning experiences.