MHEALYSSAH BUSTRIA

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

EDUCATION

California State University San Marcos | GPA 3.20
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.
- Prepare **Trello** boards to facilitate task management among the team.
- Create videos using **Adobe Premiere Pro** and **YouTube** to demonstrate introductory programming concepts.
- Developed a script using **Python** to automate the transformation of a video transcript to SubRip Subtitle format.

Center for Research and Engagement in STEM Education (CRESE)

APR 2019 - present
Operations Lead
- Arrange and communicate schedules and other operations for a team of 20+ employees and volunteers.
- Organize attendance and survey data from 260+ K-12 students per semester at 13 Mobile Making sites.
- Create templates using **Google Drive** to increase reusability and consistency.

JUN 2018 - APR 2019
STEM Ambassador
Facilitated Mobile Making sessions, which bring hands-on STEM activities to various K-12 sites, encouraging STEM interest in underserved communities.

NOV 2019
Southern California Conferences for Undergraduate Research (SCCUR)
Worked in a team of 3 Ambassadors and 4 faculty members to produce and present a poster emphasizing the impact of CRESE's Mobile Making program on undergraduate leaders.

Ritz d'Lites boba shop employee

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

PROJECTS

COVID-19 Data Science Analysis
UCSD Division of Biomedical Informatics (DBMI)
Summer Internship Program - Research Trainee

JUN 2020 - present
- Access and analyze 75,571 records of globally-submitted COVID-19 patient data, then generate graphs using Python's **matplotlib and seaborn libraries** to identify trends in the dataset
- Develop **Python** code in a **Google Colab notebook** to keep the project synchronized among the 4-member team, and use **Markdown** to format the documentation.

Service Impact Website for Cougar Pantry
Fab Friday at CSUSM

AUG 2018 - MAY 2019
- Collaborated with team members to design the website for CSUSM's Cougar Pantry service using **HTML** and **CSS**.
- Organized and accessed data using **MySQL** and **PHP**, then generated charts using **JavaScript** to highlight the impact of Cougar Pantry on food-insecure students.

ACTIVITIES

Developer Student Club CSUSM (DSC CSUSM)

JAN 2020 - present
Graphic Design Lead
Produce digital assets using **FireAlpaca** to maintain consistency in graphics and promote club activities.

MAR 2020 - AUG 2020
Co-Lead (Vice President)
Assisted with managing club responsibilities and activities, aiming to strengthen a community of student developers.

Tutoring - 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.

AWARDS

AUG 2018 - present
National Science Foundation Scholarships in STEM