

M H E A L Y S S A H B U S T R I A

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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.
 - Prepare 15+ **Trello** boards to facilitate task management among the team.
 - Create over 15 videos using **Adobe Premiere Pro** and **YouTube** to demonstrate computer science concepts.
 - Organize spreadsheets to calculate, track, and share notes among instructors for assignment submissions.
 - 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 in records and forms.
 - Develop scripts using **C++** to insert data into email templates, decreasing work time by 10 hours per year.

- JUN 2018 - APR 2019
- #### STEM Ambassador
- Facilitated weekly Mobile Making sessions, bringing hands-on STEM activities to four K-12 sites to encourage STEM interest in underserved communities.

Ritz d'Lite's boba shop - Cashier and Server

- 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

Research Trainee - UCSD Summer Internship

- JUN 2020 - AUG 2020
- Accessed and analyzed 75,571 records of globally-submitted COVID-19 patient data, then generated graphs using Python's **matplotlib** and **seaborn** libraries to identify trends in the dataset.
 - Developed **Python** code in a **Google Colab notebook** to keep the project synchronized among the 4-member team, and used **Markdown** to improve readability of the supporting content.

Southern California Conferences for Undergraduate Research

- NOV 2019
- Communicated with four faculty members to compile research results and arranged meetings with three STEM Ambassadors to produce and present a poster, highlighting CRESE's impact on undergraduate leaders.

Service Impact Website for Cougar Pantry

Fab Friday at CSUSM

- AUG 2018 - MAY 2019
- Designed the website for CSUSM's food distribution 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.
 - Wrote notes during each meeting, keeping a record of discussions, resources, and tasks for all team members.

ACTIVITIES

Developer Student Clubs CSUSM

- JAN 2020 - present
- #### Graphic Design Lead
- 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.