

Sara Baqla

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SUMMARY

MERN Stack Web Developer with a background in ecology and education. Trained at the University of Texas at Austin Coding Bootcamp and earned a certificate in Full Stack Web Development. A highly adaptable individual, motivated and organized with great attention to detail.

EDUCATION

UT Austin Web Development Certificate	Sept 2022
Texas Teachers of Tomorrow Teacher Certification Program , Houston, TX	May 2020
The University of Texas at El Paso , El Paso, TX <i>M.S. Biological Sciences</i>	May 2017
The University of Texas at El Paso , El Paso, TX <i>B.S. Ecology and Evolutionary Biology</i>	May 2014

SKILLS

Computer Software: Visual Studio Code, Microsoft Office Suite, Command Line, Git, Insomnia, MongoDB Compass, MySQL Workbench, Chrome Dev Tools, QA Touch

Web Development Skills: MySQL, MongoDB, Express.js, Node.js, Heroku, GitHub, Debugging, MERN Stack Development, React, GraphQL, RESTful APIs, Database Theory, Agile Methodology, Netlify

Computer Languages: HTML5, CSS3, JavaScript

PROJECTS

Baes | github.com/missatrox44/baesii | loversnotfighters.herokuapp.com/

- Baes is a full MERN stack application created to improve relationships by allowing users to store pertinent information about important people in their lives.
- Users have the ability to create an account, update their profile, add connections and store personalized notes about their connections.
- Focused on styling of admin page, setting up backend server and creating type defs and resolvers
- Utilized HTML, CSS, JavaScript, MongoDB, Express, React, and Node.js

Git Me There | github.com/missatrox44/git-me-there | andcooke.github.io/git-me-there/

- Git Me There is a tool for users to utilize when planning a trip and need to decide on transportation. Users type in a city in the US and will be given a walking score, bike score and eateries in the area.
- Coordinated a team of five developers with a focus on front end development. Implemented styling and layout of the project.
- Utilized 3rd party APIs, Materialize, HTML, CSS, and JavaScript

Fact or Fiction | github.com/missatrox44/Fact-Fiction | factorfiction.herokuapp.com/

- Fact or Fiction is a game where users will be presented with a random law or headline and must determine if it is true or false. 50 points will be added to the user's score for every correct answer.
- Led a team of five developers with a focus on back end development. Developed functionality of the game, built pages with handlebars, created and seeded a database and troubleshooted routes.
- Utilized MySQL, Handlebars, HTML, CSS, JavaScript, Express and wrote API routes

EXPERIENCE

Ector County Independent School District; Odessa, TX

Aug 2021 - July 2022

Robotics Teacher - Crockett Middle School

- Led six classes of 7th and 8th grade students
- Taught students basic computer science and robotics concepts
- Engaged 150 students in daily hands-on learning by implementing the engineering/problem solving process

Ector County Independent School District; Odessa, TX

Aug 2019 - July 2021

Elementary Music Specialist - Sam Houston Elementary

- Facilitated weekly general music instruction for students in Pre-Kindergarten through 5th grade
- Pioneered an after school guitar and piano club offered to 4th and 5th grade students
- As Innovation Campus Ambassador, brought hands-on science experiences to students

Ysleta Independent School District ; El Paso, TX

Feb 2018 - May 2019

Substitute Teacher

- Performed instructional and classroom management processes for various subjects for absent teachers
- Adhered to strict educational policies and procedures to ensure the safety and success of students
- Focused on grades 6th - 12th

Southwest Conservation Corps; Las Cruces, NM

Apr 2018 - Oct 2018

Stream Habitat Assessment Technician/AIM Crew Member - Americorps service

- In partnership with the Bureau of Land Management (BLM), assisted with the implementation of the aquatic Assessment, Inventory, Monitoring (AIM) initiative
- Sampled 12 random streams and rivers throughout New Mexico on BLM land
- Organized and uploaded data collected from every site to central AIM database

California Conservation Corps, Backcountry Trails Program; Weaverville, CA

Apr 2017 - Sept 2017

Trail Worker - Americorps service

- Maintained trails in the Trinity Alps Wilderness to allow for safe access by the public
- Performed KP duties on rotating schedule including preparing meals and camp site maintenance
- Earned 750 hours of Public Lands Corps Participant Work

The University of Texas at El Paso; El Paso, TX

Fall 2014 - Spring 2017

Teaching Assistant

- Taught one lab a semester including Ecology, Organismal Biology, Invertebrate Zoology, General Biology, and Field Biology
- Worked closely with tenured professors to ensure curriculum was carried out correctly
- Prepared lessons, set up labs, created quizzes, graded all assignments and arranged overnight field trips

Indio Mountains Research Station (IMRS); Van Horn, TX

Fall 2014 - Spring 2017

Graduate Field Researcher

- Collected grasshopper specimens bi-monthly at specified locations on IMRS
- Conducted plant surveys using modified quadrats and belt transect method
- Assisted colleagues with processing, marking and recapturing live venomous and non-venomous snakes and a variety of lizards

TEACHING CERTIFICATIONS

Technology Applications EC-12

May 2021 - October 2025

Music EC-12

August 2020 - October 2025