

# Sara Baqla

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## SUMMARY

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MERN Stack Web Developer leveraging 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

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**University of Texas at Austin** Sept 2022  
*Web Development Certificate, Austin, TX*

**Texas Teachers of Tomorrow** May 2020  
*Teacher Certification Program, Houston, TX*

**The University of Texas at El Paso, El Paso, TX** May 2017  
*Master of Science in Biological Sciences*

**The University of Texas at El Paso, El Paso, TX** May 2014  
*Bachelor of Science in Ecology and Evolutionary Biology*

## SKILLS

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

**Web Development Skills:** JQuery, Bootstrap, Express.js, React.js, Node.js, MongoDB, MySQL, Apollo GraphQL, RESTful APIs, Database Theory, Agile Methodology, GitHub, DOM manipulation, JSON, AJAX, Materialize, Handlebars

**Computer Languages:** HTML5, CSS3, JavaScript

**Spoken Languages:** English (fluent), Spanish (intermediate)

## PROJECTS

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**Baes** | [github.com/missatrox44/baesii](https://github.com/missatrox44/baesii) | [loversnotfighters.herokuapp.com/](https://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](https://github.com/missatrox44/git-me-there) | [andcooke.github.io/git-me-there/](https://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](https://github.com/missatrox44/Fact-Fiction) | [factorfiction.herokuapp.com/](https://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 are 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

## TECHNICAL EXPERIENCE

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**Odessa Bronco Band** | Developer | [www.odessaband.org/](http://www.odessaband.org/)

Sept 2022 - Present

**Demo Day** | Presenter | Baes

Sept 28, 2022

## VOLUNTEER EXPERIENCE

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**Technical Book Club** | *Coordinator* | Stack Overbooked  
**Chingu Voyage 41** | *Developer* | TBD

Sept 2022 - Present  
Oct 3 - Present

## ADDITIONAL EXPERIENCE

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**Ector County Independent School District;** Odessa, TX  
*Robotics Teacher* - Crockett Middle School

Aug 2021 - July 2022

- 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  
*Elementary Music Specialist* - Sam Houston Elementary

Aug 2019 - July 2021

- 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  
*Substitute Teacher*

Feb 2018 - May 2019

- 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  
*Stream Habitat Assessment Technician/AIM Crew Member* - Americorps service

Apr 2018 - Oct 2018

- 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  
*Trail Worker* - Americorps service

Apr 2017 - Sept 2017

- 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  
*Teaching Assistant*

Aug 2014 - May 2017

- 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  
*Graduate Field Researcher*

Aug 2014 - May 2017

- 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

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**Technology Applications EC-12**  
**Music EC-12**

May 2021 - October 2025  
August 2020 - October 2025