

Edwin Espinoza

(760) 215-0969 • espined48@gmail.com • edwin-espinoza.com

Professional Summary

- Bilingual Full stack developer with experience building RESTful applications. I have created full application with user authentication using passport and full database support using MongoDB and SQL. Familiar with many common JavaScript libraries.

Education

Humboldt State University - Arcata, CA

Bachelor's Degree: 2020

- B.S. Computer Science and Applied Mathematics Minor with Honors

Accomplishments

Coding Club

- Helped establish a coding club in the after school program at Zane Middle School in Eureka, CA, which led to the program getting a grant. The grant was used to buy laptops for students at the school.

Undergraduate Research

- Research Experience for Undergraduates worked with Dr. Pons and funded by the National Science Foundation, I conducted research on kernel level malware detection on Linux systems. I created two device drivers that would collect data from the kernel about a process such as time running, memory access, memory usage. We used the data collected to show if it was possible to determine if a process was malicious or benign in the first 1000 milliseconds of execution.

Published work: Characteristics of light: Velocity, massless energy, and special relativity

- Co-authored with Dr. Richard Sauherber. I created the images and collected data on light's interactions with gravity. I created charts of data recording light and its angle of reflection.

Skills & Languages

- SQL, Linux, PHP, HTML, CSS
- Java, C++, Python
- Javascript, Bootstrap, MongoDB, Nodejs, Semantic UI

Work History

General Tutor, 08/2018 to 06/2020

Humboldt State University – Arcata, CA

- Helped students achieve their learning goals and increased grades of several students from C's to B's.
- I created a coding club for younger students Previously there was no coding club at the school.
- Held structured meetings to create and plan a science, technology, engineering, mathematics summer program to get younger students interested in STEM fields as well as developed lessons and lesson plans for students.

Computer Science Tutor, 01/2019 to 05/2020

Humboldt State University – Arcata, CA

- Helped university students with their assignments and understanding of computer science concepts.
- Responsible for tracking student usage of tutoring services, and creating a friendly and studious environment for students to work in.
- Tracking the students helped the school understand how the program was being used.
- I increased student participation from no students showing up to several students showing up every night.

Math Tutor, 06/2016 to 08/2018

Palomar Community College District – San Marcos, CA

- I had to learn and understand the many different backgrounds and cultures.
- Manage time with the students.

References

Dr. Richard Sauerheber: Co-worker, Tutor, Researcher, Ph.D. Chemistry from University of CA, San Diego

Dr. Alexander Perez-Pons: Instructor, NSF funded research lead, Florida International University

Rose Sita Francia: Supervisor, M.A. in Educational Leadership, TRIO Talent Search Director and Collaboration Lead