

Edwin Espinoza

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Professional Summary

- Bilingual full stack developer with experience building RESTful applications.
- I have created full applications with user authentication using passport and full database support using MongoDB and SQL.
- Familiar with many common JavaScript libraries such as Bootstrap and Semantic UI.
- Back end skills with Linux, PHP, SQL, Python, nodejs.
- I have built full applications using Java, C++.
- Built full web application using Javascript, nodejs, bootstrap, mongodb, passport.

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.
- Having a coding club at the school allowed the school to be funded \$2500 which the school bought Chromebooks for the coding club to use.

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.

Work History

General Tutor, 08/2018 to 06/2020

Humboldt State University – Arcata, CA

- Helped students achieve their learning goals and many students increased their grades by a whole letter grade I worked with about 10 students or more through the whole school.
- I created a coding club for younger students previously there was no coding club at the school.
- The creation of the coding club allowed the school to get a grant for the program that bought laptops for the coding club.
- 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 they would attend this program.

Computer Science Tutor, 01/2019 to 06/2020

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 this helped keep the program funded.
- 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 Research Mentor, Florida International University

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