

ED P. IZAGUIRRE

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Professional Experience

Los Angeles AI Apps

September 2024 – Present

Co-Founder & Technical Lead

Los Angeles, CA

- Co-founded and lead technical operations for a specialized AI consulting agency serving businesses across Los Angeles, delivering custom web applications, AI integrations, and rapid MVP development solutions.
- Integrated advanced data science methodologies and artificial intelligence capabilities with robust web solutions, primarily leveraging Ruby on Rails to deliver seamless, high-quality client experiences.
- Designed and developed diverse AI-driven portfolio projects, effectively showcasing expertise in artificial intelligence applications tailored for business needs.
- Created a responsive, visually compelling marketing website utilizing Astro, HTML, and CSS; implemented strategic SEO practices, significantly improving search visibility and attracting targeted client leads.
- Authored and published blog content focused on Ruby programming and AI technologies, accumulating over 3,700 views and positioning the agency as a thought leader in the tech industry.
- Actively participated in prominent Los Angeles-area networking events, including Pasadena Tech Happy Hour, AI Policy Happy Hour, and LA Fintech Connect, enhancing professional visibility and fostering strategic business relationships.

Rio Hondo College

August 2020 – May 2023

Full-Time Instructor

Whittier, CA

- Taught calculus-based introductory physics courses for science/engineering majors, which included topics such as Newtonian mechanics, conservation laws, thermodynamics, quantum mechanics, special relativity, and electricity and magnetism
- Secured a five-year, \$3 million grant from the United States Department of Education to develop an entrepreneurship program with a focus on resolving challenges experienced by the local Whittier community
- Reviewed course material, prepared lecture slides, created reading quizzes, exams, and lab manuals for two to three courses per semester with approximately 50 students per course
- Created novel engineering curricula, such as *Materials Science and Engineering* and *Strength of Materials*, with appropriate committee approval
- Presented course material and simplify complex physics concepts to students
- Graded exams, homework, and lab reports, which include Python programming and error analysis
- Collaborated with faculty and administration to increase coordination between courses in division

South East High School

August 2017 – May 2019

High School Teacher

South Gate, CA

- Taught four classes of regular and Advanced Placement Physics, two classes of Integrated Coordinated Science, and one Robotics class to approximately 75 high school students per semester. Used positive reinforcement to maintain high student engagement
- Adapted existing science lessons for the Next Generation Science Standards, making them more interactive, student-focused, and concept-oriented for a predominantly Hispanic student population

Education

University of California, Berkeley

Master of Engineering in Mechanical Engineering

Concentration: Control Systems; GPA: 3.9

University of California, Berkeley

Bachelor of Arts in Physics

Skills and Interests

Technical Skills: AWS, Anthropic, Artificial Intelligence, Azure, CI/CD, Docker, GitHub, HTML/CSS, JavaScript, Keras, LangChain, Matplotlib, Metaflow, NumPy, OpenAI, Pandas, Pinecone, Prefect, Python, Ruby, Ruby on Rails, scikit-learn, SQL, Streamlit, TensorFlow, Weights & Biases

Languages: Proficient in Spanish

Interests: Indoor gardening, Brazilian jiu-jitsu, urban planning, music production, history, Stanley Kubrick films