

Elgin Vuong

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EDUCATION

University of California, Irvine

B.S. Computer Science, Statistics Minor

Irvine, CA

Expected December 2026

Arcadia High School

High School Diploma, Salutatorian

Arcadia, CA

June 2023

EXPERIENCE

Blockchain at UCI

Junior Developer

Irvine, CA

February 2024 - Present

- Cooperated effectively within a diverse team of 6-8 members to develop impactful web 3.0-oriented projects that directly contribute to the blockchain ecosystem
- Communicated proactively with cross-functional team members, ensuring clarity and alignment on project objectives, timelines, and deliverables

Arroyo Pacific Academy

English Language Development (ELD) and Mathematics Instructor

Arcadia, CA

June 2023 - September 2023

- Organized lesson plans and activities tailored to the unique needs of international students in grades K-9, emphasizing phonics, vocabulary, and sentence structure
- Guided K-9 students through English and Mathematics subjects, demonstrating leadership and fostering a supportive learning environment through effective communication

Inspirit AI

AI Research Internship

Palo Alto, CA (Remote)

July 2022 - November 2022

- Collaborated with a Ph.D. student to identify and implement effective machine learning models for building a running injury prediction model
- Utilized machine learning techniques, including Logistic Regression and Random Forest Classifier models, to address dataset imbalances, demonstrating data analytical skills
- **Publication: Vuong, E., & Vincent, J. (2023). Predicting Running Injuries with Classification Machine Learning Models. Journal of Student Research, 12(1). <https://doi.org/10.47611/jsrhs.v12i1.4046>**

PROJECTS

MelanomaNoMore

February 2024

- Utilized TensorFlow to develop a computer vision model that tries to optimize melanoma prediction given a set of benign and malignant melanoma images
- Developed a convolutional neural network and experimented with the VGG16 model to optimize accuracy
- Performed hyperparameter tuning on CNN layers and epochs to reduce false positives and false negatives

Speechalytics

January 2024

- Collaborated with a team of 4 to develop a web application that assesses and improves public speaking skills
- Utilized React, HTML, and CSS to design frontend of web page to show assessment results and recording page
- Leveraged Flask, Deepgram API, ProWritingTools API, and FFmpeg to develop an accurate speech transcription and assessment model

SKILLS

Programming Languages: C++, Java, Javascript, Python