

Josh Vendrow

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EDUCATION

UCLA

B.S. IN COMPUTER SCIENCE

B.S. IN MATHEMATICS

Expected June 2022

Minor in Philosophy

GPA: 3.93

LINKS

Github://jvendrow

LinkedIn://joshua-vendrow

COURSEWORK

COMPUTER SCIENCE

EE 147: Neural Nets and Deep Learning

CS M146: Machine Learning

EE 133A: Applied Numerical Computing

CS 180: Algorithms and Complexity

CS 35L: Software Construction Lab

CS 32: Data Structures

CS 33: Computer Organization

MATHEMATICS

Math 171: Stochastic Processes

Math 61: Discrete Math

Math 170A/B: Probability Theory

Math 115A: Linear Algebra

Math 131A: Real Analysis

SKILLS

PROGRAMMING

Python • C++ • Bash

MATLAB • \LaTeX

LIBRARIES

TensorFlow • scikit-learn • NumPy

RESEARCH

UCLA COMPUTATIONAL APPLIED MATH | FUNDED RESEARCHER

August 2019 – Present | Los Angeles, CA

- Worked with Prof Deanna Needell and Prof Jamie Haddock on developing, implementing, and analyzing factorization and compression methods for real data applications.
- Applied machine learning methods including SVM, decision trees, KNN, regression, and neural networks to identify important features in the MyLymeData project dataset.
- Primary technologies used: TensorFlow, MATLAB, and scikit-learn.

WORK EXPERIENCE

RINGCENTRAL | ENGINEERING INTERN

June 2017 – July 2017 | Belmont, CA

- Created an automated testing program using JavaScript and Node.js to assess media quality.
- Measured video quality by comparing pixel-wise square difference with reconstructed images.

ID TECH | INSTRUCTOR

June 2019 – July 2019 | Palo Alto, CA

- Taught a JavaScript programming course and a pi-top computer assembly course for children ages 9 to 12.
- Prepared lesson plans and solved technical issues on ID Tech staff forums.
- Led various team-building group activities for campers.

SOCIETIES AND ACTIVITIES

TAU BETA PI | TUTORING CHAIR AND SOCIAL CHAIR

- Coordinated and held weekly tutoring hours.
- Taught review sessions for lower division math courses.
- Planned and led social events for TBP members.

AI ROBOTICS ETHICS SOCIETY | OUTREACH DIRECTOR

- Organized and led workshops at UCLA and at local high schools.
- Hosted a discussion with a Viennese delegation of government and business leaders on the future of AI Ethics.

AWARDS

2019	Dean's List	UCLA
2018	Valedictorian	Carlmont High School
2016	2nd	Advanced Section, HP CodeWars Palo Alto