

Jason Kyle Jewik

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Education

University of California, Los Angeles

Bachelor of Science, Computer Science

Regents' Scholar, Alumni Scholar
3.3 GPA, Graduating 2023

Cerritos College

High School Dual Enrollment
4.0 GPA, Attended 2017 – 2018

Projects

Twain

Back End Engineer

A machine-learning powered Chrome extension that recommends schedules and creates Google Calendar events based on the user's to-do list.

Built with JavaScript, Node, Express, PostgreSQL, and Google Calendar.

PenguinFlow

Developer

A convolutional, recurrent neural network that learned to play a video game by training on recorded human gameplay.

Built with Python and Keras.

IOB

Developer

An algorithm for high volume trading, developed at Jane Street's ETC. Won third place.

Built with Python.

Footprint

Back End Engineer

A mobile app that helps users track and visualize the effects of their lifestyle choices on their carbon footprint. Developed at HackSC 2020. Won MongoDB award.

Built with JavaScript, Node, Express, MongoDB, and Google Cloud Vision.

Experience

UCLA School of Engineering & Applied Science

Oct 2019 – Present

Computer Vision Researcher

- Working under Dr. Keze Wang at the Center for Vision, Cognition, Learning, and Autonomy
- Wrote program to label training/testing images (OpenCV/PyTorch)
- Tuning machine learning models (ResNet) to classify images taken from a vehicle with the orientation of said vehicle

UCLA DevX

Oct 2019 – Present

Back End Engineer, Twain Project

- Creating models, controllers, data tables, and API endpoints
- Designing and developing scheduling algorithm

ODK Media, Inc.

Jun 2019 – Sep 2019

Software Engineer Intern

- Wrote Python program to aggregate and analyze user interactions with content (Google Analytics/Firebase/BigQuery) to generate data reports, saving 20+ hours of labor per month
- Wrote JavaScript program to send targeted web push notifications (OneSignal) about suggested videos based on watch history
- Trained a recommendation engine (Amazon Personalize, S3) to generate curated content feeds

ODK Media, Inc.

Jun 2018 – Aug 2018

Streaming Media Intern

- Took initiative to write a Batch script that automatically edits the company's videos, saving 50+ hours of labor per week
- Wrote PHP script to track unique web visitors and user actions
- Developed the company's Chinese media Roku channel using BrightScript (similar to JavaScript)

The Boeing Company

Jun 2018 – Aug 2018

Summer Intern

- Created simulations of unmanned delivery drone and tracking infrastructure networks (Systems Toolkit)

Volunteering

UCLA ACM

Nov 2019 – Present

Student Mentor

- Teaching elementary school students Python programming
- Teaching high school students introductory machine learning

The AI Robotics Ethics Society

Dec 2019 – Present

Workshop Instructor

- Leading workshops on artificial intelligence and robotics ethics at various high schools in Los Angeles