Jason Kyle Jewik

✉ jason.jewik@gmail.com 📱 (562) 239-8345 💻 jasonjewik.com

Education

University of California, Los Angeles
B.S., Computer Science
Regents' Scholar, Alumni Scholar
Graduating 2023

Cerritos College
High School Dual Enrollment
4.0 GPA, Attended 2017 – 2018

Projects

Footprint, Jan 2020
Back End Engineer
A mobile app that helps users track the effects of their lifestyle choices, such as food and transportation, on their carbon footprint. Developed at HackSC 2020. Won MongoDB award.

Built with JavaScript, Node, Express, Mongo Cloud Atlas, and Google Cloud Vision.

IOB, Nov 2019
An algorithm for high volume trading, developed at Jane Street's ETC. Won third place.

Built with Python.

Twain, Oct 2019 - Present
A 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, Feb 2019
A convolutional, recurrent neural network that learned to play a video game by training on recorded gameplay.

Built with Python and Keras.

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 autonomously operate a vehicle in a simulated environment

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 Python programming to elementary school students
- Developing instructional content and homework assignments for teaching machine learning to high school students

The AI Robotics Ethics Society   Dec 2019 – Present
Workshop Instructor
- Developing workshop content for teaching high school students about artificial intelligence and robotics ethics