

Kevin Lavelle

Los Angeles, CA 90293 • (310) 650-6587
kevinglavelle@gmail.com • coder626.github.io

Seeking Opportunities for Growth and Impact in Software Engineering

Work Experience

Toyon Research Corporation **Software Engineer Intern**

06/2023-Present

Creating software for the Android Tactical Assault Kit (ATAK). Experience implementing computer vision (OpenCV) and machine learning (TensorFlow) models and algorithms in Android. Created a SQLite database for a plugin with full frontend and backend support, mostly in Java. Fixed a camera orientation issue involving the Yolov7 CNN and Tencent's Android Camera code.

Education

University of California, Santa Barbara **Computer Science (B.S.)**

09/2021-06/2025

PSTAT 120A,B (Statistics and Applied Probability), CMPSC 130A, B (Data Structures and Algorithms), CMPSC 165B (Machine Learning), CMPSC 181 (Intro to Computer Vision), CMPSC 165B (Machine Learning), CMPSC 154 (Computer Architecture) CMPSC 190I (Natural Language Processings) CMPSC 160 (Compilers), CMPSC 138 (Automata/Languages) CMPSC 111 (Scientific Computing)

Loyola High School of Los Angeles National Merit Finalist, 1580 SAT

09/2017-06/2021

University of California, Los Angeles

06/2018-09/2020

CS 31 (Introduction to Computer Science I) CS 32 (Introduction to Computer Science II) Math 61 (Discrete Mathematics)

Projects

Tunnel Man - UCLA CS 32 final project - Designed and implemented a video game similar to 1980's Dig Dug using principles of object-oriented design and maze solving algorithms

Selenium Development Project - Utilizing Selenium and Tkinter libraries to scrape a website and input in the information into a Google Cloud SQL storage database, also automated text messaging system, currently creating React frontend

Personal Regression/ML Labeling Modeling Project - Currently working with compiling different datasets of stock movement around earnings reports and using different variables to look for possible trends (would love to discuss)

OCaml Compiler - Ocaml school project for lexer, parser, and code generator for Rust-like language

Skills

C++, Java, UNIX, Swift, Linux, Swift, React, HTML/CSS, OCaml, Python, Valgrind, NodeJs, SQL, APIs, Selenium web development tools, Tensorflow, Keras, Docker, Android development, Git, conversational Mandarin Chinese