

# JAMES HAN

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## EDUCATION

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**B.S. Computer Science**, University of California, San Diego

Expected 2024

Relevant Coursework: Software Tools and Techniques, Advanced Data Structures, Algorithms, Theory of Computability, Computer Vision, Machine Learning

## SKILLS

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**Technical Skills** Dart, React.js, React Native, AWS Ecosystem, Firebase, GraphQL, Python, Flask, OpenCV, Figma  
**Soft Skills** Open-Minded, Consistently Communicative, Team-Oriented, Tenacious, Cool as a Cucumber

## EXPERIENCE

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**Independent Contractor/Frontend Developer**

May 2022 - Nov 2022

XOKind — AI Technology Company

*La Jolla, CA*

- Reduced network calls by 50% by refactoring API calls and web pages with React.js hooks
- Performed feature enhancement and implementation of high level Figma designs with React.js into 5+ Machine Learning apps within company website.
- Constructed 10+ integration tests and 30+ unit tests for Image Classification and Lead Scoring apps.

**Code Sensei**

Mar 2021 – Aug 2021

Code Ninjas

*Torrance, CA*

- Taught fundamental programming concepts and JavaScript skills to kids ranging from ages 6-15 utilizing lessons focused on game development and interactive visual programming.
- Instituted original autonomous driving and computer sensing curriculum with custom slideshows and robot building/programming exercises using Studuino robots
- Led and coordinated a team of 3 in teaching this curriculum to +50 kids during National Robotics Week

## PROJECTS

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**2023 - Surfen** Developed a web application that acts as a video enhancer/converter that takes a far-away video input stream of surfers at a local beach and utilizes Lucas-Kanade optical flow in order to zoom in and track a surfer as they rip the wave. ([surfen.web.app](#))

**2023 - RecWeb** Currently acting as a project manager with a team of 17 for a NLP to shopping recommendation website built with Jiacheng Li and Julian McAuley.

**2022 - plots - party with your homies** Independently designed, developed, published, and sold a party organization and discovery app using Flutter and Firebase and attracted over +500 users, Software acquired by Cruuz Inc. after negotiating with Mamoun Debbagh for \$10,000 on February 24, 2022 ([See here](#))

## EXTRA-CURRICULAR ACTIVITIES

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- UCSD Snowboarding Team member
- Mariachi Band Member

## AWARDS

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- **ShopSafe** Created a store entrance queue system with Arduino, dlib, Flutter, Keras, OpenCV, Python, and TensorFlow that keeps track of shop capacity in real-time and pings customers to stagger entrance and minimize capacity. This project won Best Data Science/Machine Learning Hack in Hack the Northeast. ([See here](#))