# Jason Wan

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## EDUCATION

**University of California, Los Angeles (UCLA) — BS, Computer Science - GPA: 3.6**      *Expected Graduation: June 2025*
- Coursework: Data Structures, Computer Organization, Software Construction, OS, Algorithms, Machine Learning

## EXPERIENCE

**Serval Ventures — Intern**      *Oct 2023 - Present*
- Performed **vital data collection** for funding processes like average household income per postal code in the US etc.
- Developed **financial models** using my researched **data** to help company founders and Serval Ventures cooperate
- Worked on initial due diligence, screening company investor slides and other resources, PowerPoint decks, etc.

**Vision Labs — UCLA Machine Learning Research**      *Sept 2022 - Present*
- Developed experimental segmentation models utilizing **Meta SAM**, **Grounding Dino, and Controlnet**
- Pioneered a resource-efficient deep learning model for image classification, achieving competitive accuracy with significantly reduced computational demands, and facilitating deployment in constrained environments
- Designed multiple image recognition models for numerous datasets like CIFAR-10 and MNIST

## HIGHLIGHTED CODING PROJECTS      *Oct 2020 - Present*

*What's the Move*
- Collaborated with a team to build a **client-centric event application** with features similar to Instagram, such as an **image upload**-enabled posts page and personalized **calendar**
- Implemented privacy features to enable Private, Friends, and Close Friends events with varying visibility levels.
- Utilized **React.js** and **Firebase** to build the application with a focus on back-end user-data management
- Managed version control using **Git**

*Superior Apple Alarm*
- Developed an app that can set an alarm for a certain date and time instead of just repeating for a weekday, with functionalities like shake and move a certain distance to stop the alarm. Voice memo or iTunes music for alternative alarm sounds.
- Leverage Xcode for IOS

*Alzheimer's App*
- Developed an app that is centered around the elderly with Alzheimer's to help them through their day.
- Scheduled Alarms, Games, and very simple UI/UX with the elderly in mind.

*DIY Drone*
- Engineered a drone with stable flight using electrical components totaling less than $30
- Implemented an **Arduino Nano** and **MPU6050** to record gyroscope and accelerometer data, using PID algorithm to control motion

## ACTIVITIES

**School Robotics Team Leader — Hardware, Electronics, Code, Team Management**      *Sept 2018 - June 2022*
- **Led** my team to qualify for the Vex World Championships two years in a row, securing **3rd place globally**
- Directed a **team of 8** to design and build a robot capable of collecting and stacking 12 eight-inch blocks.
- Utilized **Fusion 360** for virtual modeling and led team meetings to strategize and plan.

**Fencing**      *Feb 2015 - Present*
- Canadian National Fencing Team & American Division 1 Level
- Acted as a private coach, youth summer counselor, group lesson coach, and referee

## SKILLS

**Programming Languages:** Python, C++, C, JavaScript, Java, SQL, HTML, CSS, x86-64, Ocaml
**Tools/Frameworks:** TensorFlow, PyTorch, React.js, Node.js, SQL, Firebase, Docker, Linux, Bash, Git
**Other:** 170 WPM, Mandarin (Fluent)

## HONORS/AWARDS

- **Honors With Distinction AMC 12, 6 points on AIME 2021**
- **13th in Canada** in the UWaterloo Avogadro Chemistry Contest 2022