Jason Wan

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EDUCATION

University of California, Los Angeles (UCLA) — BS, Computer Science *Expected Graduation: June 2025*

- Coursework: Software Construction, Computer Architecture, Programming Languages, Algorithms & Complexity, Data Structures & Algorithms, Discrete Mathematics, Statistics and Probability, Linear Algebra, Theory of Computing
- Activities: UCLA Fencing Club, ACM AI Safety,

EXPERIENCE

UCLA Vision Labs — Student Intern (Los Angeles) *Sept 2022 - Present*

- Developed experimental segmentation models utilizing **Meta SAM**, **Grounding Dino, and Controlnet**
- Designed an experimental program to measure the effectiveness of different segmentation algorithms via a cycle of **segmentation and inpainting.**
- Ran many experiments using state-of-the-art vision Models such as **TokenCut** and **Stable Diffusion.**

Serval Ventures — Intern (New York) *Oct 2023 - March 2024*

- Performed **data collection** for funding processes like average household income per state etc. via Python webscraping
- Developed **financial models** using my researched **data** to help company founders and Serval Ventures cooperate
- Presented and worked on initial due diligence, screening company investor slides and other resources, etc.

PROJECTS

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,** managing version control **Git**
- Implemented privacy features to enable Private, Friends, and Close Friends events with varying visibility levels.
- Using **React.js** and **Firebase**, personally developed the back-end user-data management

IOS Alarm App

- Developed a custom alarm iOS app using Swift, enabling date-specific alarms beyond traditional weekly schedules.
- Designed an intuitive UI with SwiftUI, focusing on ease of use and minimalism for efficient alarm management.
- Implemented iOS Local Notifications for reliable delivery of alerts on specified dates, ensuring user punctuality.

Alzheimer's App

- Developed a cognitive app with Flutter/Dart, aimed at elderly users on iOS/Android. Used SQLite for progress tracking.
- Implemented a simple UI using Flutter widgets and Firebase for easy authentication and data.
- Added brain games with Flame engine, focusing on easy interaction and mental exercise.

MyVPN

- Built a VPN app using OpenVPN and WireGuard, successfully able to mask locations across North America.
- Configured multiple servers and developed a user-friendly client interface using Flutter
- Successfully established an encrypted tunnel between the user device and VPN servers.

ACTIVITIES

HackWithAPro Lead Organizer — UCLA (Los Angeles) *April 2023 - Present*

- Led meetings and brainstorming sessions. Mainly with marketing and event organization, and design (marketing).
- Managed the project using a variety of industry tools like Excel, Trello, Github, Slack, Discord, and Google Docs.
- Though being relatively unknown, the hackathon brought in over 75+ people in only our second time hosting.

School Robotics Team Captain — Vex Robotics (Toronto, Canada) *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.

SKILLS

Languages: Python, C++, C, JavaScript, Java, SQL, HTML/CSS, Assembly, OCaml, Bash, Linux, Swift, TypeScript
Tools/Frameworks: Git, AWS, Red Hat, TensorFlow, PyTorch, React.js, Node.js, SQL, Firebase, Docker,
Other: 170 WPM, Mandarin (Fluent)

HONORS/AWARDS

- **Honors With Distinction AMC 12, 6 points on AIME 2021**
- **13th Place in the Canadian Waterloo National Chemistry Contest**