

# Yuancheng (Kaleo) Cao

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## HIGHLIGHTS

- Developed an innovative automatic plant watering system, integrating IoT for remote plant health management
- Implemented Agile practices, leading a team to develop a Nutrition Recommendation Website ahead of schedule
- Collaborated on a team creating an interactive art installation in downtown, enhancing the pedestrian experience

## EDUCATION

University of California, San Diego – *San Diego, CA* September 2021 – June 2025

- **Bachelor of Science in Data Science**
- **Bachelor of Arts in Interdisciplinary Computing and Arts**
- **Selected Coursework:** Data Structures and Algorithms | Statistical Methods | Probabilistic Reasoning and Learning | Scalable Data Systems | Web Mining and Recommender Systems | Ubiquitous Computing

UCLA Break Through Tech AI – *Los Angeles, CA* May 2024 – April 2025

CodePath ([Official Website](#)) – *Remote* June 2022 – Present

- **Relevant Coursework:** Technical Interview Prep, Web and Mobile (iOS and Android) Development

## SKILLS

- **Programming Languages:** Python, JavaScript, HTML/CSS, Java, SQL, R, Swift, Kotlin
- **Libraries:** React, Ray, scikit-learn, Pandas, NumPy, Matplotlib, d3.js
- **Developer Tools:** VS Code, Jupyter Notebooks, Git, IntelliJ, RStudio, XCode, Android Studio

## SOFTWARE EXPERIENCE

Software Engineer Intern June 2023 – August 2023

CodeDay

Remote

- Optimized file organization in AWS S3 with intuitive user-friendly tagging, enhancing management and filtering
- Implemented custom API for AWS S3 objects, providing seamless CRUD operations for file metadata
- Collaborated closely with front-end engineer to integrate AWS S3 for a powerful file management solution
- Conducted testings to ensure compatibility across various cloud providers and improve system reliability
- Researched AWS S3 docs, iterated on the tagging system, and achieved enhanced file organization capabilities

## PROJECTS

TutorPup ([Demo](#)) | *Data Manager* April 2024 - June 2024

- Designed finite-state machine diagram with teammates, ensuring clear and structured robot interaction protocols
- Implemented local solution using list data structure for efficient question-related information storage and retrieval
- Assessed data management system for correct display, ensuring fair question assignment and user feedback

Recommendation Strategy of Kuaishou ([Report](#)) | *Data Scientist* October 2023 – December 2023

- Analyzed digital platform user behavior to predict retention, enhancing long-term engagement and satisfaction
- Normalized engagement metrics for fair comparison, devising composite scores reflecting true user interaction
- Developed a predictive model using Gradient Boosting, significantly achieved 87.4% accuracy in user retention

FlexBody ([Code](#)) | *Android Developer* April 2023

- Collaborated with teammates to ideate and design cohesive mobile app pages and features for a unified vision
- Directed team members, set deadlines, and established milestones, ensuring timely completion of assigned tasks
- Developed a dynamic platform enabling users to view, share, and interact with exercise and nutrition content

Open Energy Dashboard ([Issue 1](#), [Issue 2](#)) | *Open-Source Contributor* October 2022 – December 2022

- Enhanced interface with fixed order and visually distinguishing current page button, improving user experience
- Implemented JSDoc to enhance code comprehension and facilitate effective communication among developers