

# Alexander S. Choi

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## EDUCATION

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**University of California, Los Angeles**

Expected Graduation: Dec. 2025

*Statistics and Data Science B.S.,*

*Cognitive Science with Specialization in Computing B.S.*

- GPA: 3.75

## TECHNICAL SKILLS

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**Languages:** Python, R, SQL, Stata, C, C++, Bash, Lisp, JavaScript, HTML/CSS

**Other Software/Tools:** Excel, Tableau, Git, LaTeX

## EXPERIENCE

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**Software Engineering & Business Analytics Intern, KAV**

*Jan. 2024 – Mar. 2024*

- Developed an interactive helmet fit finder tool using React, improving user engagement and increasing conversion rate by X%.
- Analyzed user behavior and demographic data to improve marketing strategy

**Research Assistant, Trustworthy AI Lab at UCLA**

*Oct. 2023 – June 2024*

- Researched and applied machine learning models (CTGAN, CTAB-GAN) in synthesizing tabular data for privacy-preserving applications
- Refactored and implemented the CTAB-GAN model into the project's framework, improving efficiency and usability

## PROJECTS

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**Prediction of NBA Game Outcomes | Python, R**

- Implemented and evaluated predictive models (SVM, Random Forest, QDA) to forecast NBA match outcomes with 71% accuracy, applying feature engineering
- Translated key insights into data visualizations and reports

**Social Media Events Planner Web Application | React, Node.js, Firebase**

- Built full-stack web application with a team enabling real-time event tracking, media upload, and dynamic data rendering
- Implemented the main calendar interface, Firebase authentication system, and server-side search functionality

**Analysis of JFK Airport Weather Data | R**

- Collaborated with a team through a Brown University-led initiative to analyze historical weather data from JFK Airport
- Conducted data acquisition, visualization, and hypothesis testing with time series plots and t-tests to analyze climate trends