

# Kyle Choi

## Data Scientist/ Financial Analyst

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### SUMMARY

Data Science major and CFA Level III candidate with experience in machine learning, financial modeling, and statistical testing. Skilled in Python, SQL, and Excel with ability to build NLP and transformers for translating complex data into clear business insights. Seeking to apply analytical and technical knowledge in financial analysis and quantitative research roles.

### EDUCATION

#### University of California San Diego

##### Bachelor of Science, Data Science

June 2026

- Major GPA: 3.85 / 4.0 | Cumulative GPA: 3.6 / 4.0
- Relevant Coursework: Econometrics, Systems for Scalable Analytics, Probabilistic Modeling, Data Visualization
- Awards: HDSI Best Visualization Project, Advanced Fundamental Equity Valuation Tournament

#### Chartered Financial Analyst Exam, CFA® Institute

Level 1

Oct. 08 2024

Level 2

Oct. 09 2025

### PROJECT EXPERIENCE

#### Data Science Industry Project – Prism Data

Sep. 2025 - Present

- Built a transformer to extract bank statement information into categories with 95 % accuracy with 94% F1 score.
- This project allows users to analyze the loan applicant's spending habit and quantify creditworthiness of individuals.
- Next step: build prediction model for default probability that is more comprehensive than traditional FICO model

#### Data Visualization Project

Apr. 2025 - June 2025

- Full stack data analysis project from preprocessing to analysis (Panel data, multivariate linear regression) to visualization and presentation of the outcome.
- Built a website with interactive 3D models and narrative elements to effectively communicate complex findings to non-technical viewers.

#### UC San Diego, California

June 2024 - Feb. 2025

#### Research Assistant

- Developed a particle classification model for a modular neutrino detector instead of KamLand data, improved efficiency by 20%.
- Collaborated with researchers across disciplines and built an academic and collaborative team environment.

### PROFESSIONAL SKILLS

- **Technical Skills:** Python, SQL, Excel, JavaScript (D3, HTML, CSS), R, Stata, AWS
- **Methods:** Machine Learning, NLP, Time Series, Financial Modeling, Valuation
- **Core Competencies:** Statistical Analysis, Data Visualization, Quantitative Analysis, Econometrics

### Language

#### Native

- English, Korean

#### Intermediate

- Chinese (Mandarin)

### CLUB ACTIVITIES

#### Rotract

Apr. 2023 - Present

- Hosted and participated in community service activities at Feed San Diego, community garden, homeless shelter, beach clean-up, etc