Samuel Kelly

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Education

University of California, Los Angeles (UCLA) - College of Letters and Sciences
Bachelor of Science in Statistics and Data Science, Minor in Mathematics
GPA: 3.42 | Expected Graduation: June 2026

Campus Involvement
Samueli School of Engineering and Applied Sciences Dixit Lab *Research Assistant*, UCLA AI Safety *Member*, UCLA Statistics and Data Science Club *Member*, Theta Xi Fraternity *Recruitment Chair*

Experience

Dexian
Data Analytics Intern | June 2024 - September 2024
- Developed a predictive model to analyze and rank 74,000 business accounts, portfolios, consultants, and products based on current profitability and forecasted trends, providing actionable insights for strategic decision-making
  - Integrated macroeconomic data from the FEDR database, adjusting for key variables like inflation, interest rates, and economic growth outlook
- Scraped and processed 1,200 government contractor job listings using Python (BeautifulSoup), extracting details such as position titles, locations, clearance levels, and qualifications to support data-driven sales outreach strategies

UCLA Samueli School of Engineering Robotics Lab
Research Assistant | May 2024 - Present
- Strategize and implement risk-coherent measures for risk-averse robotic motion planning, utilizing convex optimization, numerical methods, and model predictive control
- Create and test mathematical models, run simulations, and analyze data to mitigate real-time risks

Carahsoft
VMware Analytics Intern | July 2023- September 2023
- Executed SQL queries to audit, clean, and optimize partner user data, increasing user-data accuracy by 35%, which improved the quality of reporting and facilitated more informed business decisions
- Developed a multivariate regression model to detect inaccuracies in partner user data by identifying outliers, cross-referencing internal and external datasets, and analyzing deviations from historical trends
- Collaborated with the sales team on Carahsoft's AWS Marketplace outreach, providing data-driven product insights and leveraging analytics to enhance customer pitches and drive engagement

JOS. A. BANK , Reston Virginia
Retail Sales Consultant | January 2022 - September 2022
- Provided personalized styling advice, guiding customers on clothing style, fit, and etiquette
- Managed inventory, processed online orders, and handled general customer inquiries

Skills

- Programming Languages: Python, R, C++, Java
- Data Analysis and Visualization: Pandas, NumPy, Matplotlib, BeautifulSoup, SQL Excel, PowerBI, Tableau
- Machine Learning: Sci-Kit Learn, PyTorch, A/B Testing for regression and classification models
- Databases and Cloud Technologies: AWS Cloud, Microsoft Azure, MySQL