Kelly He

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EDUCATION

University of California, Berkeley   Expected May 2025
B.A. Data Science, B.A. Computer Science   GPA: 3.8
Coursework: Interpretation of Computer Programs, Finance and Accounting, Marketing, Operations, Foundation of Data Science, Linear Algebra and Differential Equations, Probability and Mathematical Statistics for Data Science, Data Structures, Leadership and Management

PROFESSIONAL EXPERIENCE

Asset Management Solutions Intern   **Calgary, AB, Canada**
GBCS Group   *May 2023 – Present*
- Kept track of the assets list spreadsheet and created visualizations for manufacturer, quantity needed, and asset types.
- Managed the supplier's list, communication and delivery status, and served as the point of contact for the west coast region suppliers.
- Redesigned locomotive, orion, and aukai profiles to create a client and number focused document to expand within the fleet industry.

UC Berkeley Division of Computing, Data Science, and Society   **Berkeley, CA**
Data 8 Academic Intern   *January 2023 – May 2023*
- Worked with 30+ students in weekly lab sections to understand statistical concepts using Python and the NumPy package.
- Assisted the Graduate Student Instructor to help students understand course content through discussion worksheets during the lab.
- Taught topics such as table manipulation, probability, hypothesis testing, A/B testing, linear regression, and classification.

Food and Drug Administration   **Silver Spring, MD**
Research Intern   *August 2021– August 2022*
- Created a database for 2020 drugs' dosage after analyzing renal impairment study data using the population pharmacokinetics method.
- Applied RStudio to create minority underrepresentation simulation data, which measures the accuracy of population pharmacokinetics.
- Wrote an analysis paper of the minority underrepresentation simulation data and the observed differences in dose adjustments.

Rule4 LLC   **Elkridge, MD**
Financial Accounting Intern   *July 2021 – August 2021*
- Managed and inputted daily invoices and finances for residential construction purposes using the software Sage.
- Took part in the company's invoice approval process by sending daily invoice summary emails and processed the approvals after.
- Collaborated with other accounting sector interns to enter daily credit card inputs that Rule4 purchases from other companies.

LEADERSHIP AND EXTRACURRICULARS

Capital Investments at Berkeley   **Berkeley, CA**
Analyst   *February 2023 – Present*
- Fundamental analyst in UC Berkeley's only Multi-Strategy Hedge Fund across equity, global macro, and quant.
- Received rigorous training in equity research, macroeconomics trends, risk and portfolio management, and fixed income topics.
- Practiced financial modeling such as comparable companies and discounted cash flow modeling and completed multiple stock pitches.

Student Association of Applied Statistics   **Berkeley, CA**
Research and Publication Committee   *September 2022 – Present*
- Conducted individual research on housing price indexes and various macroeconomic factors such as mortgage and employment rate.
- Built a time-series model and multiple linear regression models on the macroeconomic factors to predict future housing prices.
- Gathered data through accessible datasets and presented research at the Berkeley symposium with the procedures and conclusion.

Investment and Finance @ Berkeley   **Berkeley, CA**
Investment Analyst   *September 2022 – December 2022*
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- Learned to create pitches for companies using their current status, past trends and external macroeconomic factors.
- Attends bi-weekly meetings to participate in voting, discussions at meetings, and decision making on whether the club should invest.

Intern Mentor Program   **Columbia, MD**
Research Student   ***September 2019– May 2022***
- Program to conduct a yearly research project with a literature review, procedures, data collection, data analysis, and conclusion.
- Used Python and LAMMPS molecular dynamic simulation to observe centro-symmetry parameters with and without Fe/O vacancies.
- Analyzed dosage adjustment data of Patisiran for renal impaired patients who are diagnosed with Familial Amyloid Ployneuropathy

Atholton Varsity Volleyball   **Columbia, MD**
Captain and Starter   *August 2018 – November 2021*
- Led a team of 17 players through all practices and the 14 games and started at setter for every set of every game in the 2021 season.
- Named Baltimore Sun Howard County and Baltimore-Area Player to Watch, AAU Academic All-American, 3x Varsity Letterwinner.
- Led the team in total assists and assists per set (2020, 2021) and aces (2020). Third on team for total kills and kills per set (2020, 2021).

ADDITIONAL INFORMATION

Technical: Python, R, Java, SQL, Pandas, Numpy, HTML, CSS, Microsoft Office, Word, Powerpoint, Excel, Data Analysis
Languages: English - Fluent, Chinese - Fluent, French - Limited Working Proficiency