

Jake Kovinsky

jkovinsky@gmail.com | (818) 322-6363 | Los Angeles, CA | [Website](#) | [GitHub](#) | [LinkedIn](#)

Education

University of California, Los Angeles (UCLA)

B.S. Cognitive Science with a Specialization in Computing, Minor in Data Science Engineering (Graduated 2024)

GPA: 3.86

Relevant Coursework: Machine Learning, Data Science, Laboratory: Theory and Simulation, Probability, Statistics, Advanced Programming (C++)

Skills

- Programming Languages: Python, C++, MATLAB, R, SQL
 - Libraries & Frameworks: scikit-learn, PyTorch, NumPy, pandas, matplotlib, NLTK, LangChain
 - Web Development: Intermediate – Frontend (HTML, CSS, JavaScript), Backend (PHP)
 - Cloud & Tools: AWS (EC2, S3, RDS), Git, Jupyter Notebook, VS Code
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Projects

menunomics– Restaurant Price-Item Discovery Tool (Team Project)

October 2024 – Present

Full-Stack Developer

- Applied natural language processing (NLP) techniques on food/beverage items across 1,000+ menus, streamlining item-price indexing.
- Developed a Python script to compute month-over-month price differences for over 65,000 menu items, attaining a runtime of 1.5 seconds.
- Designed relational database using MySQL and automated extractions, transformations, and loading (ETL) of data into usable types.
- Deployed an LLM agent using Mistral API to parse price-item-category pairings from menus and convert them into structured JSON format.
- Collaborated on logistic regression pipeline to classify HTML as a valid restaurant menu, achieving 92% accuracy and 0% false positive rate.
- Designed a V1 responsive website hosted locally, enabling users to search menus by price, category, and distance from a remote database.

Consulting for End Overdose – Data Analysis & Predictive Modeling (Team Project)

April 2022 – August 2022

Data Analyst

- Cleaned and preprocessed national survey data with 10,000 respondents and 30 variables using Python for machine learning applications.
 - Led data visualization efforts to identify key demographic patterns and deliver actionable insights for targeted outreach strategies.
 - Developed a logistic regression model to predict overdoses, enhancing accuracy with feature selection and addressing class imbalance.
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Relevant Experience

UCLA Information Technology Services

March 2021 – June 2024

Senior Assistant Desktop Support Analyst

- Resolved 25–30 hardware/software issues monthly for UCLA clients, using ServiceNow, Active Directory, Citrix, and Box.
- Managed 25% of user account deactivations, hardware returns, and recycling procedures across 15 departments.
- Updated student technical support documentation to streamline knowledge transfer and reduce training time for 20+ new hires.

Keywords Studios at Adept AI

June 2023 – September 2023

Research Assistant

- Established data collection rules for high quality training data to improve model behavior for a team of 15 data annotators.
- Used internal developer tools to collect 150 – 200 actions per day and properly label corresponding exemplars.
- Performed daily validation checks on training data submitted by data annotation team for quality assurance using Scale AI.

The Prof G Media Company

June 2023 – September 2023

Writing Intern

- Researched weekly topics for the "No Mercy/No Malice" newsletter using peer-reviewed articles and online databases.
- Created 2-3 data visualizations with Excel per newsletter, collaborating with the design team on final formats.
- Pitched a 1000-word article draft on the impact of excessive screen time on brain function, written in Scott Galloway's style.

The Stack – Daily Bruin

October 2022 – December 2022

Stack Developer

- Co-authored a report analyzing COVID-19's impact on UCLA research funding, highlighting significant increases in medicine.
- Designed interactive visualizations using Chart.js to effectively communicate funding trends and insights to a broad audience.
- Conducted interviews with administrators and consolidated diverse funding data into a unified dataset using Python.

The Hebrew University of Jerusalem, School of Education and Psychology

June 2022 – August 2022

Research Assistant (PI: Prof. Itamar Gati)

- Automated data cleaning for large-scale survey data with Python to support psychometric analysis in career decision-making research.
 - Organized data tables and figures in Excel for inclusion in research papers submitted to journals.
 - Proofread and edited research papers, ensuring APA compliance, with citations for contributions in the Journal of Career Assessment.
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Activities & Leadership

UCLA Ice Hockey Team

September 2020 – June 2024

Goaltender & Director of Operations

- Led two fundraising campaigns on ScaleFunder, raising \$80,000 and reducing team dues by 40%.
- Administered the team's website, incorporating roster and schedule modifications when needed.