

MIKHAEL HILALY

Chicago, Illinois | (847) 262-1011 | hilaly@usc.edu | www.linkedin.com/in/mhilaly

EDUCATION

University of Southern California
Bachelor of Science in Business Administration | Minor in Data Science
GPA: 3.55

Los Angeles, CA
January 2022-May 2026

SKILLS

- Programming & Tools: Python, R, SQL, NoSQL, Java, C++, Microsoft Excel, PowerPoint, Word, Machine Learning
- Data & Analytics: Data Modeling, Data Warehousing, Data Architecture, Data Processing, Data Cleaning, Data Transformation, Data Integration, Data Mining, Data Collection, Statistical Analysis, Pattern Recognition

EXPERIENCE

PlanYear
AI Support Team

Hoffman Estates, IL
June 2024-Present

- Co-developed comprehensive database of over 1,000 AI outputs leveraging Claude 3.5 on AWS, optimizing prompt creation processes and enhancing data accessibility and accuracy of prompts
- Customize 100+ prompts for Google Gemini to extract information from medical insurance benefit summaries with 99% accuracy

USC Chess Club
Director of Communications

Los Angeles, CA
May 2024-Present

- Organize 5+ chess tournaments each semester, increasing participation by 15% through strategic planning, event promotion, and sponsor coordination
- Manage social media (Instagram and Discord), growing follower engagement by 30% with regular updates, event announcements, and interactive content, resulting in a 20% rise in member sign-ups
- Lead and captain the Chess Club's soccer, basketball, and football teams, recruiting top talent, organizing strategic practices, and developing depth charts, resulting in winning seasons and a 3rd place finish out of 27 teams in football

galileo
Team Leader - Engineering Projects

Arlington Heights, IL
June 2023-August 2023

- Guided 30 campers aged 8-12 through construction of 50+ catapults and 70+ model cars during an 8-week summer camp, managing time and resources to foster creativity and teamwork
- Applied project management skills to oversee engineering activities for a team of 30 campers, resolving 90% of project issues on spot and ensuring completion of over 100 engineering projects, boosting camp's overall learning experience

Boys and Girls Club of America
Assistant Program Manager and Volunteer

Elgin, IL
October 2020-May 2023

- Enhanced academic success and student work efficiency by providing homework support and tutoring for 30 students 20 hours a week for youth aged 6 to 12, raising weekly homework scores by over 30%
- Supervised staff guiding 100+ students in using Chromebooks and iPads for digital storytelling projects, and set up AV equipment for 30+ managerial events, ensuring seamless presentations

ACADEMIC PROJECTS

NBA Player Position Predictor
Analyst

Los Angeles, CA
March 2025-June 2025

- Built a stacked ensemble model using 15+ per-game and advanced metrics (PPG, APG, AST%, ORB%, DRB%, etc.) across 2,000+ player seasons to classify NBA players by position (G/F/C); achieved 73% test accuracy and 77.8% cross-validation accuracy
- Visualized results via confusion matrix and per-player PPG-over-time bar charts; boosted predictive power using interaction terms (PPG×APG, RPG×DRB%) and IQR-based outlier removal; identified ORB% (0.319) and DRB% (0.213) as top predictors

Data-Driven Strategy Development for Claire's Place Foundation
Analyst

Los Angeles, CA
April 2024-May 2024

- Collaborated with team to meet project goals for analyzing Extended Hospital Stay Grant data pre- and post-policy change, revealing 19% decline in total applicants and 9% decrease in average aid per patient
- Conducted A/B hypothesis tests on Work Proudly Program survey data, identifying a 36% increase in potential grant recipients and demonstrating access to educational resources improves program completion rates