

Elliot Koo

RESUME

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SKILLS

Programming Languages: Python, SQL, C++, Javascript, HTML/CSS

Software/Application: MongoDB, Neo4J, AWS, Google Colab, Jupyter Notebook, Unity

Secondary Languages: Full Professional Korean, Elementary Spanish

Hard Skills: Microsoft Office(Excel, Powerpoint, etc.), Windows and Mac Applications, Canva, Soldering, 3D Modeling

EXPERIENCE

HMK USA LLC

Webmaster & Market Analyst Intern | Los Angeles, CA | November 2024 - Present

- Directing website infrastructure and feature development, leading the creation of a custom evaluation and testing system that leverages SQL databases, JavaScript, HTML, and CSS.
 - Built proprietary functions enabling instructors and clients to access, administer, and evaluate exams using an internal question-bank platform.
 - Reshaped training workflows by designing interactive exam tools, automating scoring processes, and optimizing front-end usability.
- Conducted international defense market research and benchmarking to develop financial models for the CEO.
 - Maintained strict compliance with confidential obligations while translating complex datasets into investor-ready insights and data visualizations deliverables.
 - Created a proprietary database and parametric models using Excel and publicly available data.

Code Ninjas

Coding Instructor | Encino, CA | September 2024 - August 2025

- Guided students through programming projects and assessments, and developed data-driven and personalized teaching methods to suit varying skill levels, learning styles, and age ranges for other instructors.
 - Delivered instruction in Python, C# on Unity, JavaScript, Luau (Roblox Studio), and block-based coding (Microsoft MakeCode Arcade, Scratch, and Minecraft Education Edition).
 - Promoted core computer science concepts, including object-oriented programming and control flow, to encourage a deep and early understanding of programming fundamentals.
 - Led CSS and 3D Modeling enrichment camps.

Extern - Beats by Dre Externship

Branding Strategist | Remote | June 2024 - July 2024

- Developed and applied various methods of data collection (surveys, interviews, etc.) using Zoom and Otter.ai to identify macro consumer trends in Bluetooth speaker purchases among the Gen Z population
 - Applied marketing and branding concepts, learned from industry leaders, to create a sentiment analysis for the Beats brand.
- Compiled and presented the results and insights of how the Beats brand can meaningfully connect with its GenZ consumers in a presentation for the Beats consumer insights team using Microsoft Powerpoint and Canva.

EDUCATION

University of Southern California

Bachelor of Science - BS | Economics and Data Science

Los Angeles, CA
Expected May 2027

- **Presidential Scholar**
- **Dean's List (Fall 2023, Spring 2024)**
- **Relevant Coursework:** Introduction to Data Science, Programming in Python, Data Visualization & User Interface Design, Fundamentals of Computations (C++), Discrete Methods in Computer Science, Calculus, Applied Business Statistics, Organizational Behavior and Leadership, Marketing Fundamentals
- **Activities:** HackSC (2024 SoCal Tech Week SolanaU Sponsor Challenge Winner), USC Joint Educational Project, Student Symphony Orchestra (Percussion), Kristos Campus Missions