ETHAN WARREN

Los Angeles, CA • London, UK • Austin, TX
GitHub: @ethanmwarren | LinkedIn: @ethanwarren1738 | warren.ethan1@gmail.com | +1 (512) 221-7890

EDUCATION

University of California, **Los Angeles** — Los Angeles, CA
Bachelor of Science in *Statistics & Data Science* — *Expected June 2024*
Minor in *Mathematics*
Cumulative GPA: 3.873   **Honors:** Dean's List for ten consecutive Quarters (Fall 2020 - Fall 2023)

COURSEWORK

Programming: Advanced C++ • Python Technologies with Applications • Computational Statistics with R • SQL Introduction
Machine Learning: Neural Networks and Transformers (DSU) • Reinforcement Learning • Data Mining and Regression Models
Statistics and Math: Optimization • Data Analysis and Regression • Linear Models • Monte Carlo Methods • Topology • Real Analysis • Set Theory • Differential Equations • Numerical Methods • Mathematical Modeling

PROFESSIONAL EXPERIENCE

Under Armour | Baltimore, Maryland — Jun 2023 – Sept 2023
Data Science Rookie
- Collaborated with non-technical executives to formulate complex business asks into a clearly defined data science problem with a solvable approach, and established sufficient metrics for testing and training a useful model in AWS
- Conducted a high-impact SKU rationalization project working with large, disparate data sets, employing machine learning and data science tools to propose a 26% SKU reduction with estimated impact of just 0.05% current sales
- Delivered a comprehensive project presentation to a diverse audience of peers and executives, articulating complex data findings in a digestible manner, displaying strong communication skills to non-technical audience

Association of Certified Fraud Examiners | Austin, Texas — Jun 2021 – Sept 2021
Data Science Intern
- Utilized Python, SQL, and Excel extensively to manage and extract actionable insights from the company's data
- Assisted in the development of a self-serve analytical dashboard system that trained employees on data querying and analytics to optimize company data usage, enhancing data-driven decision-making and optimizing operations
- Overhauled analytics ticketing system, resulting in a 20% faster resolution time for more effective ticket processing

PROJECTS

BruinWalk Linguistic Analysis — Mar 2023 – Jun 2023
- Assisted a team in scraping BruinWalk, a UCLA student site, to extract significant datasets for linguistic analysis
- Utilized TensorFlow, Spark, and PyTorch in Jupyter Notebook to train word embeddings with skip-gram algorithm
- Collaborated with a cross-functional team, showcasing strong leadership and teamwork capabilities

CLIP Deep Learning Video Retrieval — Sept 2022 – Dec 2022
- Engineered a high-performance text-to-video retrieval algorithm using OpenAI's CLIP, achieving a remarkable 97% testing accuracy, with an innovative approach that established robust associations between text and video content
- Pioneered a repurposing of CLIP for video encoding to derive significance from an average of frame vectors

LEADERSHIP AND ACTIVITIES

Artificial Intelligence Robotics Ethics Society (AIRES) | VP of Internal Relations — Jan 2023 - Present
- Supervise internal affairs, encompassing approval and coordination of finances, meetings, discussions, and speaker series, ensuring smooth operation and adherence to AIRES' mission to educate and demystify AI Ethical Issues
- Coordinated and planned AIRES's first annual AI policy conference, involving speakers, panel discussions, and.
- Direct multiple internal teams and initiatives, delegating responsibilities, and maintaining alignment with AIRES' mission

Data Science Union UCLA | Member — Mar 2022 - Present
- Continuously applying advanced machine learning techniques and data science methodologies in both external consulting projects, and internal passion projects, showcasing problem-solving prowess and creativity

ADDITIONAL

Programming Knowledge: Python • C++ • R • PySpark • SQL • Pandas • NumPy • TensorFlow • Keras • PyTorch
Technical Skills: Abstract Data Types • Data Structures • Algorithms & Recursion • Deep Learning • dplyr & ggplot2
Interests: Skiing • Amateur Food Reviewing • Artificial Intelligence • Traveling • Yoga • Board Games • Astronomy