

Eric Tran

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

MS in Business Analytics (MSBA)

Expected December 2023

- Optimization, Machine Learning for Decision Making, Data Management, Prescriptive Models, Customer Analytics, Competitive Analytics, Operations Analytics
- UCLA Anderson Merit Fellow
- Video and Data Analyst Volunteer - UCLA Women's Basketball

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO (CAL POLY)

San Luis Obispo, CA

BS in Statistics

2022

- Statistical Computing with R, Data Structures, Applied Linear Models, Design & Analysis of Experiments I, Applied Multivariate Statistics, Probability Theory, Intro to Database Systems, Intro to Distributed Computing, Statistical Learning, Artificial Intelligence, Marketing Analytics & BI, Bayesian Reasoning and Methods
- Student Manager and Analytics Lead - Cal Poly Women's and Men's Basketball
- Frost Research Fellow, Strategic Research Initiative: Data Science & Analytics Fellow
- Cal Poly Thai-Vietnamese Student Association Board Member (President, VP), Statistics Club Board Member

SKILLS

Languages: Python, MySQL, R, SAS, Java

Software: Tableau, Microsoft Word/Excel/PowerPoint, Git, Amazon Web Services (AWS), Spark, Hadoop

PROFESSIONAL EXPERIENCE

ATLANTA HAWKS (NATIONAL BASKETBALL ASSOCIATION)

Atlanta, GA (Remote)

Analyst Intern, Basketball Strategy & Analytics

May 2022-September 2022

- Constructed **Python web-scraping** scripts and tools further implemented in **AWS** (Lambda, S3, EventBridge) to establish new automated **ETL** procedures for Hawks front office NBA draft preparation process
- Applied **classification** models in Python, including single and local **logistic regression** and **neural networks**, to millions of rows of basketball play-by-play data to build a win probability model with accuracy above **0.75**
- Developed win-probability-added metric to measure how much a player contributed to team's probability of winning a game, for use in team tools and reports for coaches, scouts, and front office, leading to greater efficiency in player scouting

SPORTS REFERENCE, LLC

Philadelphia, PA (Remote)

Data Intern

June 2021-January 2022

- Performed **data validation** and accuracy checks across multiple tables, databases, and sites averaging millions of viewers per day, including Basketball Reference, CBB Reference, and FBRef
- **Web-scraped** data with **Python** to update old and create ~10 new tables for soccer databases, including for new American soccer leagues amateur player draft online site page
- Researched information on older seasons of professional/collegiate men's basketball and professional men's/women's soccer to input new information in respective databases
- Wrote **MySQL** queries to fix play-by-play data for ~20 older seasons on Basketball Reference
- Gathered data on 100 amateur prospects to build new pages for 2021 NBA Draft. Draft page was online in record time and earned millions of views

SENTION

London, UK (Remote)

Data Science Intern

July 2020-August 2020

- Parsed **Google Log** datasets of performance metrics for augmented reality algorithms on sports broadcast film to filter information such as timestamps, function types, and pipeline identifiers
- Created new data preprocessing step for data science team to allow for data analysis of several log files at once, improving time efficiency of data collection and analysis
- Modeled and visualized distribution of processing runtimes across different pipeline function types to evaluate performance at each stage of pipeline. Proposed functions to be prioritized for optimization
- Recommended cost-efficient hardware configurations by calculating expected processing performance

RESEARCH AND PROJECTS

Predicting MLS Game Outcomes Using Data Science - Philly Tech Week 2022 Hackathon Winner

Cal Poly Digital Twin Ethics - Cal Poly Strategic Research Initiative: Data Science and Analytics

Basketball Automated Python Shot Tracker and Analyzer - Project for Cal Poly Women's Basketball

Best Practices for Ethics and Feminism in Data Science and Statistics - Cal Poly Frost Research

2018 SUPPORT Act and its Effect on Female U.S. Veteran Opioid Usage - ASA DataFest 2021 Winner