

Tyler Taylor

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EDUCATION

University of California, Los Angeles (UCLA)

Expected December 2025

Bachelor of Science, Double Major: Mathematics of Computation & Statistics and Data Science

Los Angeles, CA

- **GPA:** 3.4

Las Positas College

August 2023

Associate of Science, Computer Science (Pending)

Livermore, CA

Associate of Science, Mathematics

- **GPA:** 4.0, Highest Honors

WORK EXPERIENCE

UCLA Bruins Football

- **Athletic Performance Student Data Analyst; Project Manager & Lead Analyst** August 2024 - Present
 - Oversaw small inaugural group of student data analysts; led projects & weekly meetings with Assistant Director of Football Performance Sport Science; provided data-driven insights to guide decisions & ensure key objectives were met
 - Assisted Athletic Performance interns with database management & report preparation using Excel, SQL, Catapult, & PowerBI
 - Developed R programs to analyze Catapult & VALD player data; advised further development of strength & conditioning strategies
- **Student Equipment Manager** March 2024 - Present
 - Facilitated set up, breakdown, & management of drills & equipment on field; collaborated with tight ends, wide receivers, and defensive line coaches during practice
 - Handled coaching tablets on sideline & performed ballboy duties during games
 - Communicated with teammates to coordinate cleaning & distribution of player uniforms & practice/game-day gear

SKILLS

- **Programming Languages:** R, Python, SQL, C++, Java
- **Software:** Catapult, PowerBI, Excel

RELEVANT COURSES

- **STATS & DS:** Statistics & Probability, Data Analysis & Regression, Experimental Design & Analysis, Statistical Models & Data Mining, Computational Statistics with R (In Progress), Statistical Consulting (In Progress), Linear Models (Planned), Computation & Optimization for Statistics (Planned), Monte Carlo Methods (Planned)
- **CS:** Computer Organization, LSoftware Construction, Machine Learning (In Progress), Operating Systems (Planned), Data Management Systems (Planned), Deep Learning for Computer Vision (Planned)
- **MATH:** Discrete Math, Applied Numerical Methods (In Progress), Optimization (In Progress), Algorithms (Planned)

RELEVANT PROJECTS AND ACTIVITIES

Bruin Sports Analytics, Football Consulting & Data Journalism

January 2024 - Present

- **UCLA Football Analysis App (In Progress)**
 - Organized UI, designed for improved user experience, accessibility, & functionality.
 - Implemented a bookmarking feature using R, streamlining content sharing & simplifying navigation
- **Analysis of QB Salary Article ([link](#)):**
 - Engaged with a small team of 4 to extract, clean, & analyze QB statistical data using R to produce a linear model predicting QB's future salaries based on a computed statistical player value metric
 - Collected findings in a published article; independently responsible for examining validity of model by checking model assumptions & assessing model diagnostics

Las Positas Honors Program

August 2022 - June 2023

- **Physics of a Football Calculator ([link](#)):**
 - Developed a rudimentary C++ prediction program using user inputted data to calculate kinematic values (distance, velocity, airtime, etc.) of a thrown football under ideal conditions
 - Conducted an experiment to evaluate accuracy of program & compiled findings into a condensed lab report
 - Researched & briefly summarized articles exploring physics behind a football's flight path & use of modern technology in sports data analysis
- **Cerebral Injuries in Football Paper ([link](#)):**
 - Investigated existing literature on biological impacts of cerebral injuries in football & how advancements in technology assist with medical diagnosis & treatment
 - Summarized research in style of a formal 12 page APA review paper