

Darion Phan

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EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, CA

B.S. Mathematics/Economics & B.S. Statistics and Data Science — GPA: 3.81

Expected Graduation: June 2025

- **Relevant Coursework:** Real Analysis, Linear Algebra, Sys. of Differential Equations, Statistical Models in Finance, Linear Models

WORK EXPERIENCE

UCLA Economics

Los Angeles, CA

Research Assistant for Professor Martin Hackmann — **Primary Language:** Python, R

June 2023 - Present

- Develop and implement machine learning models to categorize 40000+ food items from procurement data of public schools
- Obtain data by emailing and meeting with representatives of 80 school districts in the Los Angeles area as the main point of contact
- Handle data end-to-end, including sourcing, cleaning/pre-processing, running tests/making models, and establishing conclusions

UCLA Economics

Los Angeles, CA

Research Assistant for Professor Moritz Meyer-ter-Vehn — **Primary Language:** R

December 2023 - June 2024

- Created a web app to optimize a system of multivariable, non-differential equations to model innovation in core-periphery networks
- Read and understood a PhD-level economics paper to design a web app with every one of Professor Meyer-ter-Vehn's specifications

UCLA Recreation (UCLA Rec)

Los Angeles, CA

Recreation Mechanical Technician

April 2022 - December 2023

- Maintained, fixed, assembled, and repaired UCLA Rec fitness equipment, exercise machines, and lights in all UCLA Rec facilities
- Represented my division of UCLA Rec in meetings with upper-level management to shape policies to benefit my co-workers

Galileo Learning

Los Angeles, CA

Lead Instructor

June 2023 - August 2023

- Prepared project-based lesson plans and taught 16 5th graders about carpentry, video production, remote control cars, and water guns
- Resolved conflicts between campers by listening to concerns and implementing reasonable measures to de-escalate the incidents

LEADERSHIP EXPERIENCE

UCLA Undergraduate Student Association Elections Board

Los Angeles, CA

Director of Finance

November 2023 - June 2024

Finance Staffer

November 2022 - June 2023

- Enforce regulations regarding campaign funding and expenditures for UCLA's annual undergraduate student government elections
- Constantly communicate deadlines, reimbursement requirements, and policy updates to all candidates throughout the election
- Collaborate with the other members of the Elections Board to have a seamless election during an extended period of campus unrest

UCLA Cabo Club

Los Angeles, CA

Co-President

October 2021 - Present

- Establish and maintain the first-ever Cabo (card game) club at UCLA by creating a welcoming environment to encourage attendance
- Plan, fund, advertise, and host 30-person events at the differing venues to play Cabo and allow members to relax and unwind

PROJECTS

PrizePicks Sports Betting Data Analysis — **Primary Language:** Python, R

June 2023 - Present

- NBA: Used ESPN play-by-play data to create distributions of individual player statistics to test hypotheses to remain profitable
- MLB: Compared the historical performance of MLB's hitters to find value in betting lines in player props such as Hits+Runs+RBIs
- Valorant: Scraped vlr.gg for statistics and predicted which two of seven maps will be chosen by both teams in a best-of-3 series
- Profit: From June 2023 to July 2024, I have profited \$625.00 with a revenue of \$3660.00 for a margin of roughly 17%

Paper Trading Models — **Primary Language:** Python

June 2024 - Present

- Create and maintain algorithms and backtesters to test trading strategies for a variety of securities in different market conditions

ADDITIONAL INFORMATION

- Awards: 2024 UCLA Undergraduate Economics Research Fellow. 2019, 2021 National Economics Challenge Finalist
- Languages: English (native), Spanish (intermediate) — Programming Languages: C++, Python, R
- Interests: Economics, hiking, reading, sports analytics, statistics, math, baseball, football, poker, and Cabo (card game)