Aidan Frazier

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT Los Angeles, CA
Master of Financial Engineering GRE Quant: 168 Expected Dec 2027
- *Relevant Courses:* Starting Fall 2026

UNIVERSITY OF CALIFORNIA, SANTA BARBARA Goleta, California
B.S., Mathematics and Statistics & Data Science GPA: 3.94 June 2026
- *Awards:* High Honors, 8 Dean's List Awards
- *Relevant Courses:* Probability, Stochastic Calculus, Real Analysis, Financial Mathematics, Numerical Analysis, Time Series, Linear Algebra, Statistical Machine Learning, Topology

SKILLS & CERTIFICATIONS

- *Technical Skills:* Python, R, Excel, NumPy, pandas
- *Certifications:* Licensed Insurance Producer in Accident & Health or Sickness/Life

EXPERIENCE

NORTHWESTERN MUTUAL Los Angeles, CA
Financial Representative May 2026 – Present
- Prospecting and networking to develop a client base; conducting needs-discovery meetings to understand clients' financial goals and matching them with appropriate risk management and wealth management solutions
- Obtained Life Insurance License authorizing the recommendation and sale of life insurance and annuity products
- Delivering client-facing financial planning and risk management recommendations across insurance, investment, and long-term security products

UCSB DEPARTMENT OF RECREATION Goleta, CA
Operations Assistant June 2024 – June 2026
- Performed open and closing shift duties including preparing and closing all outdoor exercise areas, fitness centers
- Completed customer interface including check-in, questions, and assistance as needed
- Managed rentals, lockers, transactions, and administer first aid and emergency services as needed (BLS Cert.)

PROJECTS

UCSB Data Science Capstone, BlueAlpha, Prior Sensitivity Analysis on Bayesian MMM's January 2026 – June 2026
- Developed a reusable Python pipeline using Google Meridian frameworks to fit Bayesian Marketing Mix Models and measure how channel-level prior assumptions influence ROI
- Created thorough robustness scoring system that distinguishes stable channels from prior sensitive ones, giving direction on making MMM-based budgeting decisions
- Constructed an interactive dashboard that allows users to apply custom prior inputs to their marketing datasets and return a modeled output, making the analysis framework generalized throughout any datasets or channel inputs
- Designed novel plotting functions to display results which give the user interpretability of the analysis

Numerical Solution of Steady-State Drug Diffusion Model with Saturable Absorption March 2026 – June 2026
- Implemented three BVP solvers from scratch in Python with no external libraries: linear finite differences, nonlinear shooting with Newton's method and RK4, and nonlinear finite differences with a hand-derived tridiagonal Jacobian
- Achieved quadratic Newton convergence within five iterations, with the nonlinear solvers agreeing to within 4×10^{-6}
- Ran a grid-refinement study confirming second-order accuracy and quantified where the linearized approximation breaks down against the full nonlinear model

ADDITIONAL INFORMATION

- *Volunteer Work:* Harbor Point Church VBS Guidance Counselor and Volunteer 2018-2023, STEM Tutoring
- *Interests:* Lifting, Baseball, Football, Golf, Skiing, Mountain Biking, Tabletop Games, Poker, Chess, Theology