

MARK ANTHONY BROWN

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EDUCATION

University of California, Los Angeles

Los Angeles, CA

B.S. Financial Actuarial Mathematics, Specialization in Computing

Expected June 2028

- **GPA:** 3.63 / 4.00 | Dean's Honors List (Winter 2025)
- **Actuarial Exams:** SOA Exam FM (Financial Mathematics), sitting February 2027
- **Relevant Coursework:** Life Insurance & Annuities (in progress), Theory of Interest, Probability, Linear Algebra, Differential Equations, Multivariable Calculus, Discrete Structures, Microeconomic Theory (in progress), Python, C++, Java

EXPERIENCE

ASUCLA Student Government Accounting

Los Angeles, CA

Accounting Student Staff

Mar 2026 – Present

- Audit and process \$10,000+ in weekly reimbursements and payments for student government offices and student organizations
- Verify receipts and documentation against university funding policies to maintain accurate, audit-ready financial records

UCLA Residential Life – Tipuana Apartments

Los Angeles, CA

Resident Assistant

Sep 2026 – Present

- Mentor apartment residents, mediate conflicts, plan community programs and serve on an on-call emergency rotation

UCLA New Student & Transition Programs

Los Angeles, CA

New Student Advisor

Apr 2026 – Sep 2026

- Led orientation for 100+ incoming students, advising on course enrollment, degree requirements and campus resources

TechKnowHow

San Francisco, CA

Lead Instructor

Jun 2025 – Aug 2025

- Taught coding and engineering concepts to 200+ elementary and middle school students across summer STEM camps

PROJECTS

Blackjack Monte Carlo: Strategy & Solvency Simulator | Python, GitHub Actions

github.com/Smishbros01

- Built a Monte Carlo engine estimating expected value, standard deviation and Sharpe ratio across 5 strategies
- Modeled bankroll solvency and risk of ruin under Kelly Criterion bet sizing, with configurable assumptions and CI testing

Clothero: Virtual Closet Manager | Python, Flask, HTML

- Developed a full-stack web app to catalog a wardrobe and generate outfits by color, material, formality or favorites, with search, laundry tracking and item recovery

LEADERSHIP

Undergraduate Mathematics Student Association (UMSA)

Los Angeles, CA

Finance Director

May 2026 – Present

- Manage corporate sponsorship funds from firms including Jane Street and membership dues from 100+ UCLA students
- Build the association's budget and process reimbursements for academic, networking and professional development events

Resident Government Council – De Neve West

Los Angeles, CA

Treasurer

Aug 2025 – Jun 2026

- Managed a \$16,000 building budget, reviewed reimbursement requests and presented weekly budget updates to council

Pilipino Recruitment and Enrichment Program (PREP)

Los Angeles, CA

Finance Director

Jul 2025 – Jun 2026

- Raised and budgeted \$10,000+ for a student-run outreach program helping underserved high schoolers reach college
- Managed funding applications, vendor payments and deadlines across three program entities (KaPWA, DIAL, SITE)

Bruin Finance Society

Los Angeles, CA

Funding Director

Apr 2025 – Jun 2026

- Managed club budget and expense tracking; applied for funding grants and administered event reimbursements

USAC General Representative III Office

Los Angeles, CA

Finance Director

Oct 2024 – Jun 2025

- Managed a \$10,000 budget allocation, tracked expenditures, recommended spending priorities and secured grant funding

SKILLS & INTERESTS

Technical: Python, SQL, Excel, C++, Java, Google Sheets, Git/GitHub

Affiliations & Interests: Bruin Actuarial Society; futures trading, investing, badminton, golf, tennis