CONNOR CHIA

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EDUCATION

Bachelor of Science in Financial Actuarial Mathematics, Specialization in Computing **September 2022 - Present**
University of California, Los Angeles
Graduation: September 2025
Relevant Coursework: Life Insurance & Annuities, Long-Term Actuarial Mathematics, Loss Models, Probability & Statistics, Theory of Interest, Mathematics of Finance, Python with Applications, Intermediate Programming in C++

Bachelor of Science in Actuarial Science (Transferred) **September 2021 - June 2022**
University of California, Santa Barbara

ACTUARY EXAMS

Exam P: Sitting September 2025
Exam FM: Sitting October 2025

EXPERIENCE

Media Content Intern **July 2023 - March 2024**
UCLA Students with Dependents Program – Los Angeles, CA

- Led a team of five interns to produce multimedia content and marketing campaigns, reaching over 3,000 followers.
- Designed and distributed digital newsletters using Canva to highlight key resources and events.
- Collaborated with 8 staff members to plan and promote university-wide events.

UNIVERSITY INVOLVEMENT

UCLA Bruin Actuarial Society **September 2022 - Present**

- Participated in case competitions addressing annuity pricing, reserving analysis, and catastrophe modeling using Excel.
- Engaged in technical workshops to develop proficiency in R, Excel, and VBA.
- Organized collaborative study sessions for actuarial exams.

UCSB Actuarial Association **September 2021 - June 2022**

- Attended workshops on reserving techniques and data analytics for actuarial applications.

PROJECT HIGHLIGHTS

NBA Player Salary Insurance Pricing Model **April 2025 - May 2025**

- Developed an expected-value-based model to price NBA player long-term disability insurance, integrating age, injury risk, and salary data.
- Confirmed pricing model through research of real-world benchmarks and loss ratio validation.

UCLA Bruin Actuarial Society Case Competitions **January 2022 - January 2025**

2025 – Commercial Property CAT Risk Simulation and Insurance Program Optimization

- Modeled annual fire loss severity for a national real estate portfolio using Poisson frequency and severity curve fitting.
- Conducted Monte Carlo simulations in R to project aggregate losses from fire, earthquake, and named windstorm (CAT perils), incorporating external CAT model assumptions for claim frequency and severity.
- Compared three insurer program structures by stress testing loss scenarios and quantifying Total Cost of Risk (TCOR), Total Retained, and Loss Ratios under varying retention, limit, and co-insurance conditions.

2024 – Predictive Lapse Modeling for Fixed Annuity Product Pricing

- Developed a predictive lapse rate formula using historical fixed annuity data for specific policy years of a new product.
- Selected four key predictors, then built and validated a dynamic linear regression model with interpretable coefficients.
- Delivered actionable pricing recommendations to support annuity product design with enhanced forecast accuracy.

2022 – Reserving Methodology and Automation for P&C Insurance Lines

- Created a comprehensive VBA tool to process earned premium and claims data, construct loss development triangles, and automate reserving calculations.
- Applied Chain Ladder, Expected, Bornhuetter-Ferguson, and Cape Cod methods to evaluate ultimate losses across three lines of business.

SKILLS

Language: C++, Python, Java, R, SQL, VBA
Analysis: NumPy, pandas, scikit-learn
Visualization: ggplot2, matplotlib, seaborn
Development: Github, Microsoft Excel, Office, Google Workspace, Jupyter, Canva