

KEVIN ZHU

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EDUCATION

University of California, Los Angeles

Los Angeles, CA

B.S. Mathematics/Economics

Expected Jun 2020

- Minors: Specialization in Computing, Accounting
- GPA: 4.00 / 4.00

SOCIETY OF ACTUARIES (SOA) EXAMS

- Passed SOA Exam P - Probability (Grade 9/10) *Jan 2017*
- Passed SOA Exam FM - Financial Mathematics (Grade 9/10) *Aug 2017*
- Passed SOA Exam IFM - Investment and Financial Markets (Grade 10/10) *Jul 2018*
- Completed VEE Economics *Jun 2017*

WORK EXPERIENCE

Capital Insurance Group — Property and casualty insurance company

Monterey, CA

Actuarial Intern

Jun 2018 – Sep 2018

- Completed quarterly dwelling fire rate indication and inland marine reserve review, using actuarial judgment to select trends, development factors, rates, and reserves
- Built a generalized linear model in Python to model homeowners pure premium, conducting cost-benefit analyses on installing water loss prevention devices in selected subsets of high-risk homes
- Created a user-friendly businessowners policy renewal tool in Tableau for underwriters and management to easily retrieve specific policy details and summaries of segmented data
- Identified key drivers of an increase in homeowners claim severity by investigating causes of loss

UCLA Mathematics Computing Lab

Los Angeles, CA

Head PIC Lab Assistant

Sep 2018 – Present

PIC Lab Assistant

Sep 2017 – Sep 2018

- Supervised and trained lab assistants, disseminating information from the math department when necessary
- Guided students through C++ programming assignments, helping with basic concepts and debugging

LEADERSHIP

Bruin Actuarial Society — UCLA's premier organization for student actuaries

Los Angeles, CA

Director of Professional Development

May 2018 – Present

Corporate Liaison

May 2017 – May 2018

- Designed a new set of 5 actuarial technical workshops based on data simulated from scratch, introducing basic and intermediate Excel, VBA, Access, and SQL concepts in the contexts of pricing and reserving
- Collaborated with officers to plan and execute an annual career fair, case competition, and banquet
- Led workshops in professional development, providing resume critiques and mock interviews

AWARDS

California Actuarial League Ninth Annual Case Competition

Berkeley, CA

Best Solution (Health and Benefits, Property and Casualty Tracks)

Feb 2018 – Apr 2018

- Mitigated adverse selection risk in offering standalone health insurance plans as multi-choice options
- Adjusted homeowners' insurance rate relativities, minimizing policy-level premium dislocation

California Actuarial League Eighth Annual Case Competition

Berkeley, CA

Finalist (Property and Casualty, Retirement Tracks); Best Individual Presenter (Retirement) *Mar 2017 – Apr 2017*

- Analyzed various reinsurance plans for a homeowners' insurance firm, simulating tail value at risk
- Recommended risk-reducing actions for a defined-benefit pension plan sponsor, considering PBGC premiums and choices such as lump sum windows, annuity buy-outs, and annuity buy-ins

ADDITIONAL

- **Programming:** Python (incl. NumPy, SciPy, Pandas, Scikit-learn, and StatsModels), PL/SQL, VBA, HTML & CSS, JavaScript, PHP, C++, \LaTeX
- **Other Tools:** Advanced Microsoft Excel, Intermediate Tableau, Introductory Microsoft Access
- **Languages:** Conversational Mandarin Chinese