

KEVIN ZHU

370 Carmelita Place, Fremont, CA 94539 | kevinzhu98@gmail.com | (510) 706-8515

ACTUARIAL EXAMS

- | | |
|---------------------------------|----------|
| • Passed CAS Exam 1 (Grade 9) | Jan 2017 |
| • Passed CAS Exam 2 (Grade 9) | Aug 2017 |
| • Passed CAS Exam 3F (Grade 10) | Jul 2018 |
| • Completed VEE Economics | Jun 2017 |

EDUCATION

- | | |
|--|-------------------|
| University of California, Los Angeles | Los Angeles, CA |
| B.S. Mathematics/Economics | Expected Jun 2020 |
| • Minor: Specialization in Computing, Accounting | |
| • GPA: 4.00 / 4.00 | |

WORK EXPERIENCE

- | | |
|---|---------------------|
| Capital Insurance Group — Property and casualty insurance company | Monterey, CA |
| <i>Actuarial Intern</i> | Jun 2018 – Sep 2018 |
| • Completed quarterly dwelling fire rate indication and inland marine reserve review, using actuarial judgment to select trends, development factors, and ultimate rates and reserves | |
| • Built a GLM 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 | |

LEADERSHIP

- | | |
|---|---------------------|
| Bruin Actuarial Society — UCLA's premier organization for student actuaries | Los Angeles, CA |
| <i>Director of Professional Development</i> | May 2018 – Present |
| <i>Corporate Liaison</i> | May 2017 – May 2018 |
| • Designed a new set of 5 actuarial technical workshops based on simulated data, introducing basic and intermediate Excel, VBA, Access, and SQL concepts in the contexts of pricing and reserving | |
| • Corresponded with corporate contacts to plan one of the largest actuarial career fairs in the nation | |
| • Led workshops in professional development, providing resume critiques and mock interviews | |

AWARDS

- | | |
|---|---------------------|
| California Actuarial League Ninth Annual Case Competition | Berkeley, CA |
| Best Solution (H&B, P&C Tracks) | Feb 2018 – Apr 2018 |
| • Designed standalone health insurance plans, analyzed the effects of offering them as multi-choice options, and mitigated adverse selection risk by simulating enrollment and adjusting premiums | |
| • Modified homeowners' insurance pricing factors by analyzing rate adequacy by segment, minimizing policy-level premium dislocation while ensuring sufficient increase in total premium | |
| • Evaluated an individual's retirement adequacy under the final average pay, cash balance, and 401(k) plans, performing sensitivity analysis on our qualitative and quantitative assumptions | |
| California Actuarial League Eighth Annual Case Competition | Berkeley, CA |
| Finalist (P&C, Retirement Tracks); Best Individual Presenter (Retirement) | Mar 2017 – Apr 2017 |
| • Calculated the Medicaid bid and Medicaid Rebate based on historical data to price a health plan | |
| • Analyzed reinsurance plans for a homeowners' insurance firm, computing TVaR for simulated losses | |
| • Recommended risk-reducing actions for a DB plan sponsor, considering lump sums and buyouts | |

ADDITIONAL

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