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
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, 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
Director of Professional Development *May 2018 – Present*
Corporate Liaison *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