KEVIN ZHU

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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*
- Minors: 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, 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

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 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 (H&B, P&C 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 (P&C, Retirement Tracks); Best Individual Presenter (Retirement) — *Mar 2017 – Apr 2017*
- 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