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*
- 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

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 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*
- 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