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
- Identified key drivers of an increase in homeowners claim severity by investigating causes of loss
- 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
- Completed quarterly dwelling fire rate indication and inland marine reserve review

UCLA Mathematics Computing Lab — Los Angeles, CA
Head Lab Assistant — Sep 2018 – Present
Lab Assistant — Sep 2017 – Sep 2018
- Filler
- Guided students through programming assignments, helping with basic concepts and debugging
- Fixed basic hardware and software problems with lab equipment

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, linking members to actuarial firms
- Helped members develop professional skills through various workshops and events

AWARDS

California Actuarial League Case Competition — Berkeley, CA
Best Solution (H&B, P&C Tracks) — Feb 2018 – Apr 2018
Finalist (P&C, Retirement Tracks); Best Individual Presenter (Retirement) — Mar 2017 – Apr 2017
- Mitigated adverse selection risk in offering standalone health insurance plans as multi-choice options
- Adjusted homeowners' insurance rate relativities, minimizing policy-level premium dislocation
- Recommended risk-reducing actions for a defined-benefit pension plan sponsor

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