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, using actuarial judgment to select trends, development factors, and ultimate rates and reserves

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
- Fixed basic hardware, software, and network 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