

KEVIN ZHU

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ACTUARIAL EXAMS

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|--------------------------------|----------|
| • Passed CAS Exam 1 (Grade 9) | Jan 2017 |
| • Passed CAS Exam 2 (Grade 9) | Aug 2017 |
| • CAS Exam 3F: Pending Results | 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
- Analyzed changes in businessowners replacement costs and the consequential premium dislocation
- Built a GLM in Python to model homeowners and dwelling fire pure premium, conducting cost-benefit analyses on installing water loss prevention devices in subsets of high-risk homes
- Created a user-friendly businessowners policy renewal auditing tool in Tableau for underwriters and management to easily retrieve specific policy details and summaries of segmented data
- Completed quarterly dwelling fire rate indication, applying techniques from the CAS Exam 5 texts by Werner and Modlin

UCLA Mathematics Computing Lab

Los Angeles, CA

PIC Lab Assistant

Sep 2017 – Present

- 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

- Created a new set of 5 actuarial technical workshops based around simulated data, introducing basic and intermediate Excel, VBA, Access, and SQL concepts in the contexts of ratemaking 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 Annual Case Competition

Berkeley, CA

Best Solution (H&B, P&C Tracks)

Feb 2018 – Apr 2020

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 rates, minimizing policy-level premium dislocation
- Recommended risk-reducing actions for a defined-benefit pension plan sponsor

TECHNICAL SKILLS

- **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