

## 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 |
| • Passed CAS Exam 3F (Grade 10) | Jul 2018 |
| • Completed VEE Economics       | Jun 2017 |

### EDUCATION

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<b>University of California, Los Angeles</b>	Los Angeles, CA
<b>B.S. Mathematics/Economics</b>	Expected Jun 2020
• Minor: Specialization in Computing, Accounting	
• GPA: 4.00 / 4.00	

### WORK EXPERIENCE

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<b>Capital Insurance Group</b> — Property and casualty insurance company	Monterey, CA
<i>Actuarial Intern</i>	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	

### LEADERSHIP

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<b>Bruin Actuarial Society</b> — UCLA's premier organization for student actuaries	Los Angeles, CA
<i>Director of Professional Development</i>	May 2018 – Present
<i>Corporate Liaison</i>	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

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<b>California Actuarial League Ninth Annual Case Competition</b>	Berkeley, CA
Best Solution (H&B, P&C Tracks)	Feb 2018 – Apr 2018
• Designed standalone health insurance plans, analyzed the effects of offering them as multi-choice options, and mitigated adverse selection risk by simulating enrollment and adjusting premiums	
• Modified homeowners' insurance pricing factors by analyzing rate adequacy by segment, minimizing policy-level premium dislocation while ensuring sufficient increase in total premium	
• Evaluated an individual's retirement adequacy under the final average pay, cash balance, and 401(k) plans, performing sensitivity analysis on our qualitative and quantitative assumptions	

<b>California Actuarial League Eighth Annual Case Competition</b>	Berkeley, CA
Finalist (P&C, Retirement Tracks); Best Individual Presenter (Retirement)	Mar 2017 – Apr 2017
• Calculated the Medicaid bid and Medicaid Rebate based on historical data to price a health plan	
• 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

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- **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