

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

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
<i>Actuarial Intern</i>	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
<i>Head PIC Lab Assistant</i>	Sep 2018 – Present
<i>PIC Lab Assistant</i>	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
<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, linking members to actuarial firms	
• Led workshops in professional development, providing resume critiques and mock interviews	

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 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