

# 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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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

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Capital Insurance Group — Property and casualty insurance company Monterey, CA  
*Actuarial Intern* 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  
*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

## LEADERSHIP

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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
- Led workshops in professional development, providing resume critiques and mock interviews

## AWARDS

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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

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- **Programming:** Python (incl. NumPy, SciPy, Pandas, and Scikit-learn), PL/SQL, VBA, HTML & CSS, JavaScript, PHP, C++,  $\text{\LaTeX}$
- **Other Tools:** Advanced Microsoft Excel, Intermediate Tableau, Introductory Microsoft Access
- **Languages:** Conversational Mandarin Chinese