

# KEVIN ZHU

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## CAS EXAMS

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- Passed Exams 1 (Score 9, *Jan 2017*), 2 (Score 9, *Aug 2017*), 3F (Score 10, *Jul 2018*), 5 (Score 8, *Apr 2019*)
- Completed VEEs Economics (*Jun 2017*), Accounting and Finance (*Mar 2019*)

## EDUCATION

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University of California, Los Angeles

*B.S. Mathematics/Economics; Specialization in Computing; Minor in Accounting*

- GPA: 4.00 / 4.00

Los Angeles, CA

*Expected Jun 2020*

## WORK EXPERIENCE

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Milliman — Property and casualty consulting

*Actuarial Intern*

San Francisco, CA

*Jun 2019 – Sep 2019*

- Estimated IBNER and pure IBNR hurricane losses for a homeowners' insurer using a frequency-severity technique, varying trend assumptions and selected tail factors to create a range of reasonable estimates
- Conducted an actual versus expected loss and ALAE emergence analysis, reconciled updated data to prior reserve reviews, and investigated accident quarters with higher-than-expected emergence
- Joined several decades of NFIP policy and claim data, resolving inconsistencies between datasets and determining the optimal set of variables on which to join to minimize missing and duplicate records
- Simulated a market basket of homeowners' policies and built a rater in SAS to compare average premium by rating variable across competitors, creating accompanying exhibits for the Department of Insurance

Capital Insurance Group — Property and casualty insurance company

*Actuarial Intern*

Monterey, CA

*Jun 2018 – Sep 2018*

- Completed quarterly dwelling fire rate indication and inland marine reserve review, using actuarial judgment to select trends, development factors, ultimate losses, and indicated rate changes
- 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

UCLA Mathematics Computing Lab

*Head PIC Lab Assistant*

Los Angeles, CA

*Sep 2018 – Present*

- Supervised and trained lab assistants, disseminating information from the math department when necessary
- Guided students through C++ programming assignments, helping with basic concepts and debugging

## LEADERSHIP

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Bruin Actuarial Society

*President*

Los Angeles, CA

*May 2019 – Present*

- Led a team of 6 officers and corresponded with actuaries from various firms to plan and execute an annual career fair, case competition, banquet, and professional development workshops
- Designed a new set of 5 actuarial technical workshops based on data simulated from scratch, introducing basic and intermediate Excel, VBA, Access, and SQL concepts in the contexts of pricing and reserving
- Presented workshops in professional development and provided resume critiques and mock interviews

## AWARDS

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California Actuarial League Case Competition

- Best Solution (H&B and P&C Tracks)

Berkeley, CA

*Feb 2018 – Apr 2018*

- Finalist (P&C and Retirement Tracks); Best Individual Presenter (Retirement Track)

*Mar 2017 – Apr 2017*

## ADDITIONAL

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- **Computer Languages:** Python, SAS, R, SQL, VBA, HTML & CSS, JavaScript, PHP, C++, L<sup>A</sup>T<sub>E</sub>X
- **Other Tools:** Advanced Microsoft Excel, Intermediate Tableau, Introductory Microsoft Access