KEVIN ZHU

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CAS EXAMS

- 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

University of California, Los Angeles　　　　　　　　　　　　　　　　　　　Los Angeles, CA
B.S. Mathematics/Economics; Specialization in Computing; Minor in Accounting　　*Expected Jun 2020*
- GPA: 4.00 / 4.00

WORK EXPERIENCE

Milliman — Property and casualty actuarial consulting　　　　　　　　　　San Francisco, CA
Actuarial Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　*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 flood insurance 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　　　　　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, 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　　　　　　　　　　　　　　　　　　Los Angeles, CA
Head PIC Lab Assistant　　　　　　　　　　　　　　　　　　　　　　　*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

Bruin Actuarial Society　　　　　　　　　　　　　　　　　　　　　　　Los Angeles, CA
President　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*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 simulated data, introducing basic and intermediate Excel, VBA, Access, and SQL concepts in the contexts of pricing and reserving
- Presented workshops on professional development and provided resume critiques and mock interviews

AWARDS

California Actuarial League Case Competition　　　　　　　　　　　　　　Berkeley, CA
- Best Solution (Health & Group Benefits, P&C Tracks)　　　　　　　　　　*Feb 2018 – Apr 2018*
- Finalist (P&C and Retirement Tracks); Best Individual Presenter (Retirement Track)　*Mar 2017 – Apr 2017*

ADDITIONAL

- **Computer Languages:** Python, SAS, R, SQL, VBA, HTML & CSS, JavaScript, PHP, C++, LaTeX
- **Other Tools:** Advanced Microsoft Excel, Intermediate Tableau, Introductory Microsoft Access