KEVIN ZHU

370 Carmelita Place, Fremont, CA 94539 | kevinzhu98@gmail.com | (510) 706-8515

ACTUARIAL EXAMS

 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 *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, 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

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

AWARDS

California Actuarial League Ninth Annual Case Competition

Berkeley, CA

Best Solution (H&B, P&C Tracks)

Feb 2018 - Apr 2018

- Mitigated adverse selection risk in offering standalone health insurance plans as multi-choice options
- Adjusted homeowners' insurance rate relativities, minimizing policy-level premium dislocation

California Actuarial League Eighth Annual Case Competition

Berkeley, CA

Finalist (P&C, Retirement Tracks); Best Individual Presenter (Retirement)

Mar 2017 – Apr 2017

- 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

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