

## 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 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

---

**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++,  $\text{\LaTeX}$
- **Other Tools:** Advanced Microsoft Excel, Intermediate Tableau, Introductory Microsoft Access
- **Languages:** Conversational Mandarin Chinese