

KEVIN ZHU

370 Carmelita Place, Fremont, CA 94539 | kevinzhu98@gmail.com | (510) 706-8515 | kzhu98.github.io

SOCIETY OF ACTUARIES (SOA) EXAMS

-
- | | |
|--|----------|
| • Passed SOA Exam P - Probability (Grade 9/10) | Jan 2017 |
| • Passed SOA Exam FM - Financial Mathematics (Grade 9/10) | Aug 2017 |
| • Passed SOA Exam IFM - Investment and Financial Markets (Grade 10/10) | Jul 2018 |
| • Completed VEE Economics | Jun 2017 |

EDUCATION

-
- | | |
|---|--------------------------|
| University of California, Los Angeles | Los Angeles, CA |
| <i>B.S. Mathematics/Economics</i> | <i>Expected Jun 2020</i> |
| • Minors: Specialization in Computing, Accounting | |
| • GPA: 4.00 / 4.00 | |

WORK EXPERIENCE

-
- | | |
|--|----------------------------|
| Capital Insurance Group — Property and casualty insurance company | Monterey, CA |
| <i>Actuarial Intern</i> | <i>Jun 2018 – Sep 2018</i> |
| • Completed quarterly dwelling fire rate indication and inland marine reserve review, using actuarial judgment to select trends, development factors, rates, and reserves | |
| • Built a generalized linear model 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 |
| <i>Head PIC Lab Assistant</i> | <i>Sep 2018 – Present</i> |
| <i>PIC Lab Assistant</i> | <i>Sep 2017 – Sep 2018</i> |
| • 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 — UCLA's premier organization for student actuaries | Los Angeles, CA |
| <i>Director of Professional Development</i> | <i>May 2018 – Present</i> |
| <i>Corporate Liaison</i> | <i>May 2017 – May 2018</i> |
| • 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 | |
| • Collaborated with officers to plan and execute an annual career fair, case competition, and banquet | |
| • Led workshops in professional development, providing resume critiques and mock interviews | |

AWARDS

-
- | | |
|---|----------------------------|
| California Actuarial League Ninth Annual Case Competition | Berkeley, CA |
| Best Solution (Health and Benefits, Property and Casualty Tracks) | <i>Feb 2018 – Apr 2018</i> |
| • 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 (Property and Casualty, Retirement Tracks); Best Individual Presenter (Retirement) | <i>Mar 2017 – Apr 2017</i> |
| • Analyzed various reinsurance plans for a homeowners' insurance firm, simulating tail value at risk | |
| • Recommended risk-reducing actions for a defined-benefit pension plan sponsor, considering PBGC premiums and choices such as lump sum windows, annuity buy-outs, and annuity buy-ins | |

ADDITIONAL

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