STEVEN ZHU

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U.S. Permanent Resident (Authorized to work in the U.S.)

ACTUARIAL EXAMS

- **Exam MAS-II |** Sitting: TBD
- **Exam MAS-I |** Passed: May 2024
- **Exam P (Probability) |** Passed: May 2021
- **Exam FM (Financial Mathematics) |** Passed: Dec 2020

WORK EXPERIENCE

Root Insurance | Remote (Georgia)

Actuarial Analyst II *(Promoted from Actuarial Analyst I) | Feb 2025 – Present*

- Drive end-to-end execution of telematics model filings and regulatory objection responses, partnering directly with Data Science and Actuarial Managers as the primary analyst.
- Manage state-level Personal Auto rate filings and draft Department of Insurance (DOI) objection responses in close coordination with State Management and Actuarial Managers.
- Configure and maintain custom AWS EC2 images to host and execute automated actuarial and filing workflows.
- Engineer automation tools using Python, R, Bash, and VBA macros to simplify and streamline the end-to-end rate filing process.
- Build custom Slack automations to enhance team workflow notifications, operational alerting, and filing process tracking.
- Serve as an internal technical resource, diagnosing and resolving R, Python, scripting, and AWS EC2 infrastructure issues for team members.

Berkshire Hathaway Homestate Companies | Alpharetta, GA

Pricing Analyst II *(Promoted from Pricing Specialist & Actuarial Intern) | Sep 2021 – Feb 2025*

- Earned 2 promotions over 3+ years, initially supporting Commercial Property lines before expanding scope to handle Commercial General Liability (GL) rate filings.
- Designed, built, and maintained user-friendly pricing tools for Underwriters, simplifying rating workflows and enabling seamless internal execution.
- Engineered custom VBA and SQL automation tools to streamline recurring actuarial reporting and expedite underwriting inquiries.
- Prepared state rate filings and rate manual revisions, analyzing historical rating data and researching statutory requirements to maintain compliance.
- Conducted statistical rating studies and maintained tracking models for rate history and industry metrics to evaluate rate level adequacy.

EDUCATION

Georgia State University, J. Mack Robinson College of Business | Atlanta, GA

Bachelor of Business Administration (B.B.A.) in Actuarial Science | Dec 2022

TECHNICAL SKILLS

- **Actuarial & Domain:** Personal Auto, Commercial Property, Commercial General Liability (GL), Rate Filings & Manuals, Telematics Filings
- **Programming & Data:** SQL, R, Python, VBA, Bash, Batch (.bat), Web Development (HTML/CSS/JS)
- **Cloud & Infrastructure:** AWS (EC2), Linux Server Administration, Windows System Maintenance
- **Analytics & Tools:** Microsoft Excel (Advanced), Power BI, Tableau, Slack API / Automations, Jira

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