

FIRSTNAME LASTNAME

City, State · Email · Phone · U.S. Citizen

EDUCATION

Oregon State University

BS Computer Science, GPA: 3.85

Corvallis, OR

June 2022 - Expected December 2023

Private University

BA Economics, GPA: 3.71

City, State

September 2017 - May 2020

PROFESSIONAL EXPERIENCE

Insurance Company 2

Actuarial Senior Analyst

City, State

February 2022 - Current

- Provided quality data and analytical tools used by 30+ actuaries in the ratemaking team and 40+ analysts in the product and competitive intelligence team.
- Developed Factor Change Tool that uses Python to interact between Excel front-end and back-end data in GCP; replaced the traditional impact test and shortened the ratemaking procedure by 60%.
- Contributed to the development of Rater API using Python and GCP BigQuery that passes new rates/factors from Excel workbooks to a shim layer to produce current rate level premium.
- Built and maintained Data Quality Dashboard using GCP that aims to eliminate profit loss from premium discrepancy as low as \$0.20.
- Rerated the loss violation score sub-algorithm for Nevada in response to the state legislation. Used Python packages (Pandas/NumPy) to test and validate the re-score. Achieved 99.929% accuracy.

Insurance Company 1

Actuarial Analyst II

City, State

June 2020 - February 2022

- Analyzed and set insurance rates for 400,000+ policies in Company 1 Personal Umbrella Liability line of business using statistical methods and actuarial judgement.
- Developed and implemented the new countrywide rating structure that has improved the countrywide loss ratio by 14%; responsible for successfully filing the new program in 10+ states.
- Developed and updated policies-in-force premium rater; streamlined the process of multi-state review and deployed the new rating structure using SAS and SQL, cutting down 65% of time spent in rating.

PROJECTS

Networking Platform Project | Django, JavaScript, HTML/CSS, PostgreSQL

- Created a full stack web application using Django where developers can create a profile and share their work experiences, projects, and technical skills.
- Implemented interactive webpage using HTML, CSS, and JavaScript.
- Connected to the backend through PostgreSQL and stored user uploaded images to AWS S3. Realized features such as user authentication, messaging, voting system using various Django functionalities.

Option Profit Calculator | React, JavaScript, HTML/CSS

- Simple web application that provides the fair market value of a stock option based on user input.
- Brought current spot price of a stock via Stock API.
- Applied the Black-Scholes pricing model to estimate the option premium. Used various React Hooks to create a dynamic website.

Stock Trading Simulator | Java

- Personal project that simulates stock trading in Java.
- Users can purchase or sell stocks and manage their portfolios. Incorporated various data structures and OOP concepts.

SKILLS

Languages: Java, Python, JavaScript/TypeScript, HTML/CSS, R, SAS

Technologies: Django, React, NodeJS, Express, Git, GCP, AWS, Pandas/NumPy

Databases: MongoDB, PostgreSQL, MySQL