Eduardo Zamora

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ACTUARIAL EXAMS

Society of Actuaries Exam FM   Passed October 2023

Society of Actuaries Exam P   Passed January 2023

EDUCATION

Bachelor of Science – Applied Mathematics   Riverside, CA
University of California, Riverside   September 2015 - March 2019

- **GPA**: 3.92
- **Relevant Coursework**: Mathematical Statistics, Numerical Methods, Microeconomics

Corporate Finance Course   *(Online)*
The Infinite Actuary   Completed August 2023

EXPERIENCE

Data and Quality Assurance Specialist   Irwindale, CA
Union Station Homeless Services   January 2022 - Present

- Analyze financial assistance disbursements from our department's $2M budget to identify spending trends, confirm appropriate allocation of funds, and escalate potential issues to directors.
- Enhance program efficiency by developing and updating Google Sheets dashboards to provide program managers with insight into enrollment slot allocation and shelter utilization.
- Write SQL queries to retrieve program data from the regional homeless management database and use this data to create reports presenting agency key performance indicators (KPIs).
- Improved agency data quality by developing FSCope, an application to automatically analyze program data for dozens of types of data integrity issues using Python and Node.js.
- Audit physical client charts to confirm the presence of eligibility documents and accurate documentation of all financial assistance provided.

STEM Instructor   Pasadena, CA
STEMWorld   July 2019 - January 2022

- Created and taught courses in Python, mathematical modeling, and web development to home-schooled students spanning grades 4 to 12.

Research Intern   La Cañada Flintridge, CA
NASA Jet Propulsion Lab   June 2017 - August 2017

- Visualized spectral energy distributions of cosmic radiation with Python using the Matplotlib library.
- Used a Markov chain Monte Carlo optimization algorithm to fit parametric models of cosmic radiation and demonstrate how the polarization of observed light impacts cosmological measurements.

TECHNICAL SKILLS

- **SQL**: Querying and creating databases using PostgreSQL, SQLAlchemy, and Looker
- **Microsoft Excel**: Using formulas, pivot tables, and conditional formatting to analyze data
- **VBA (Visual Basic for Applications)**: Automating tasks in Microsoft Excel
- **Python**: Data analysis using the pandas, NumPy, Matplotlib, and Google Workspace API libraries