

### PROFESSIONAL SUMMARY

Analytical actuarial analyst with experience in life and pension insurance modeling. Strong background in mortality studies, statistical forecasting, and financial planning. Proficient in R, SQL, and Prophet with a collaborative mindset and precision-driven work style.

### EDUCATION

#### Master's in Actuarial and Financial Mathematics

University of Milan | Milan, Italy

Graduated: 2019

#### Certifications

- CERA (Chartered Enterprise Risk Actuary) – Apr 2024
- Data Analysis with R – Coursera – Aug 2023
- Fundamentals of IFRS 17 – Insurance Europe – Nov 2022

### SKILLS

- Mortality modeling and trend forecasting **Expert**
- Statistical modeling (R, Python, Prophet) **Expert**
- Financial risk forecasting **Expert**
- Pension and annuity product analysis **Expert**
- Solvency II and IFRS 17 compliance **Expert**
- Data cleaning and preprocessing **Expert**
- SQL database queries and reporting **Expert**
- Microsoft Excel (advanced formulas, VBA) **Expert**
- Communication with cross-functional teams **Expert**
- Research and actuarial reporting **Expert**
- Client presentation preparation **Expert**

### EXPERIENCE

2020 - Now

#### Actuarial Analyst

##### Generali Group / Milan, Italy

- Build and maintain mortality tables and lapse models for life and pension insurance, using R and Prophet for long-range forecasting.
- Conduct deep-dive analysis of over 250,000 policyholder records, revealing trends in early surrender behavior and informing pricing strategy.
- Collaborate on quarterly solvency projections, preparing risk reports for senior leadership and regulatory authorities.
- Support product development teams with custom financial models for retirement solutions targeting clients 55–75.

2019 - 2020

#### Actuarial Intern

##### Allianz Italia / Turin, Italy

- Assisted in refining lapse assumptions and discount rate modeling under Solvency II guidelines.
- Used SQL and Excel to automate valuation workflows, cutting manual report generation time by 30%.
- Participated in cross-border data migration project for legacy actuarial systems.
- Helped prepare internal presentations for auditors and executive teams, focusing on risk and reserve insights.

### PROJECTS

#### Dynamic Annuity Pricing Tool

- Developed a dynamic annuity pricing calculator in R for internal use, enabling real-time scenario modeling for sales teams.
- Integrated mortality shock testing and Solvency II margin factors to improve product transparency and regulatory readiness.