

Emílio Aguiar

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EXPERIENCE

Lusitania Vida – Lisbon, Portugal

Actuary Associated

Set 2021 – present.

- Provided proactive support for actuarial life products and effectively managed pension funds activities.
- Developed business reports that were internally used to make informed decisions, conducted actuarial valuations, and efficiently managed portfolios for the Portuguese supervisory authority (ASF) and stakeholders.
- Demonstrated proficiency in technical provisions in different products and profit test assignments, leading to the successful elaboration of KID (DIF) within the scope of PRIIPs legislation and potentials.
- Acquired a thorough understanding of unit-linked products and their complexities through hands-on experience learning.

Willis Towers Watson – Lisbon, Portugal

Actuary Associated

Mar 2021 – Set 2021

- Demonstrated high level of proficiency in independently conducting complex projects that involved multiple stakeholders and required the use of advanced actuarial modelling techniques.
- Leveraged expertise in actuarial modelling to deliver exceptional results and exceed expectations on year-end review,
- Therefore, took on new challenges by assuming additional responsibilities such as mentoring new team members, managing timelines for complex projects that involved multiple deadlines and stakeholders.

Actuary Analyst

Jul 2019 – Feb 2021

- Collaborated cross-functionally with diverse teams and offices, successfully delivering over 50 projects.
- Gained extensive experience in actuarial calculations, enhancing problem-solving skills with a focus on quantitative analysis and modeling.
- Strengthened proficiency in utilizing Excel and in-house software for efficient set-up building.

EDUCATION

Projects

Dec 2022

Project - Solar Forecasting

- We have created a deep-learning model for solar irradiance forecasting. According to the literature, the hybrid model of CNN-LSTM offers the best results, therefore, we implemented this combination, and we were able to produce predictions from 15 min up to 1 hour. Further details are on GitHub.

Le Wagon – Lisbon, Portugal

Dec 2022

Bootcamp in Data Science

- The Bootcamp has taught the following subjects, machine learning (supervised & unsupervised learning) and deep learning (CNN, RNN & NLP) model with Python. Collecting and analysing data from APIs, Jupyter Notebook, and SQL (including an introduction to Google Big Query and Cloud Storage).
- Analytics using packages; NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn, TensorFlow & Keras.

University of Lisbon – Lisbon, Portugal

Nov 2020

Master's in Actuarial Science

- The master's program is accredited by the UK's Institute & Faculty of Actuaries (IFOA).
- I have acquired a solid academic foundation in actuarial science, statistic, and finance by developing problem-solving and analytical skills. Also, led to obtaining 3 exemptions from IFOA.

University of Lisbon – Lisbon, Portugal

Set 2016

Bachelor of Management

- Developed a great interest in mathematics and economics courses associated with many professional areas, achieving an average of 15 out of 20 in those subjects.

University of Gdansk– Gdansk, Poland

Jan 2016

Bachelor of Management

- Developed my English skills by participating in workgroups with students from different nationalities.
- This experience enlarged my versatility and obtained more commutative and collaborative aptitudes, which is keen in an international environment or when building relationships.

ADDITIONAL

Technical: MS Office Word, Excel, PowerPoint, VBA, Python.

Languages: Fluent in English.

Certifications: IFOA exemptions CB1, CB2, and CM2 - keen to pursue other exemptions.