Timothée Muller

Qualified Actuary of French IA and IT Engineer

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Born : 12 March 1992 in France
Driving license and Personal vehicle
Married & 2 children

Experience

2021 - Today   **Qualified Actuary - Manager**, *PwC*, Luxembourg.
- Assist clients with the set up and monitoring of Solvency II: diagnosis, quantitative research and risk management, optimisation designs
- Actuarial provisioning reviews and advisory projects including various topics from IFRS 17 and Solvency II
- Provide consulting services on pricing and reserving
- Drive and support actuarial risk modelling services
- Support driving the consulting agenda and the M&A teams for transactions relating to insurance or pension engagements
- Be involved in assignments relating to companies' resettlement/creation (insurance, reinsurance, pension funds): feasibility analysis, restructuring of capital ownership and portfolio transfer.

2019 - 2021   **Qualified Actuary**, *CAMCA Assurance*, Luxembourg.

Actuarial missions / risk management
- Participating in new product projects (Construction & Non-Life affinitary products).
- Contribution to the Partial Internal Model (PIM) of CAMCA Assurance on the SCR Subscription Non-Life of the Caution product.
- Support and monitoring of contributing consultants and external auditors in support of the Partial Internal Model.

IT missions / project management
- IT/SAS E-Guide referent for my team.
- Redacting and updating calculation process (tools & documentation).
- Creation of tarification and provisionning Excel worksheets & calculators.
- Participating in IT project management with external providers.

2016 - 2019   **Actuary**, *GIE Assurances du Crédit Mutuel*, Strasbourg.
- SAS/SAS E-Guide referent for my team (10 people).
- Contribution to the decision-making information system model design.
- Evaluating data quality and provisions sufficency under S1 and S2 directives.
- Margin analysis and provision calculation of the Savings and Borrower (mortality & disability) line of business.
- Redacting technical notes, reports and formalized opinions on S2 models as part of the Actuarial Function team.

2015
(6 months)   **Intern in actuarial science**, *AXA Global P&C*, Paris, France.
Master Thesis in Actuarial Sciences : creation of a loss distribution generator for estimating counterparty risk, on historical and market data using R. Creation of Satellite and Aviation databases using Web Scrapping methods and PHP/MySql API.

2014
(4 months)   **Intern in actuarial science**, *AXA - Group Risk Management*, Paris, France.
Working on Harp & R to improve mortality model projections and implementation of stochastic mortality models. Studying impacts due to these improvements.

2013
(3 months)   **Intern in actuarial science**, *AXA Liabilities Managers*, Paris, France.
Working on VBA & Access to improve and simplify processes to do Technical Report and Actuarial Review, then use this tool to help doing Q2 P&L report and IBNR calculation using ResQ.

2011 - 2012
(8 months)   **Tutoring children**, *Complétude*, Strasbourg, France.
Tutoring junior high and high school pupils in Mathematics or Physics.

Formation

2020.
- E-learning : Machine Learning with Python (3 weeks)
- Formation Cyber-risks

2019.
- Predictive analytics in insurance with R
- SAS Enterprise Guide - level 2 & 3 - optimisation & macro variable language

2018.
- Public speaking
- Statistical analysis with R

2017.
- Reinsurance optimisation with R
- SAS Base - programming level 1 & 2

Education

June 2021	**Qualified Actuary**, *French Institute of Actuaries.*
March 2016	**IT engineer**, *ENSIIE Strasbourg.* National Engineering School in IT for Industry and Businesses
Nov. 2015	**Associate Actuary**, *French Institute of Actuaries.* Grade B pass at the DUAS - Diplôme Universitaire d'Actuaire de Strasbourg
Nov. 2015	**Master's degree in Statistics - Actuarial Course**, *University of Strasbourg.* Grade B pass. areas of study : Mathematics, Statistics, Finance for Actuarial Science
June 2013	**Bachelor of mathematics**, *University of Strasbourg*, France. Grade A pass.
2009 - 2011	**Prep school for engineering schools**, *Lycée Kleber*, Strasbourg, France. Scientific formation grade B pass (French CPGE : PCSI, PSI).
June 2009	**Scientific High School Diploma**, *Lycée Louis Couffignal*, Strasbourg, France. Major in Engineering (Mathematics specialty) grade B pass.

Skills

Languages

French	Native proficiency
English	Moderate proficiency *TOEIC : 860/990*
Spanish	Basic proficiency

IT

Languages	SAS E-Guide, R, Python, VBA, LaTeX, Doxygen	*Web Dev.*	HTML 5, PHP, MySQL, JavaScript, CSS
Basics	Flash, ActionScript, C, OCaml	*Frameworks*	WordPress, JQuery, Symfony
Software skills	Excel, Access, Word, PowerPoint, Geany, LibreOffice, Web Browsers, ResQ, Harp, MIND	*OS used*	Windows (95 to 10), Ubuntu (Linux)

Miscellaneous

Association	Corporate Secretary of Actuarial Student Union (2013). Deputy Treasurer of Strasbourg ENSIIE's Student Union. Managed budget of €10,000 (2012).
Hobbies	Creation of dynamic websites for small businesses and associations. Archery and Scout (for 8 years).
Others	First Aid Certificate (french PSC1) (April 2007).