



ANTON YANG

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Date

Hiring Manager
Internship – Valuation Actuarial
Security Benefit
Topeka, KS 66606, USA


Dear Hiring Manager:

I am writing to express my interest in the Actuarial Internship position at Security Benefit. As an Undergraduate in Actuarial Science and Statistics at the University of Missouri, I have strong knowledge of data analysis, statistical modeling, and actuarial principles. I'm familiar with your company, and I'm impressed with the high level of service you provide for your clients and the inspiring story of Security Benefit. I believe I am a strong candidate for this position and I'm excited about the opportunity to bring my unique set of skills to this role.

Through my coursework and research, I have gained extensive experience in applying statistical techniques to address complex problems. For example, during my internship at the University of North Carolina Charlotte, I built a simulation in R that optimized the effectiveness of personalized medicine. This experience taught me various statistical learning like Random Forest, PCA, and Kernel Regression. In addition, as a Research Assistant at the University of Missouri, I developed and implemented a simulation using R to predict probabilities and validate mathematical computations for KENO games. The project enhanced my ability to perform precise probability calculations and effectively communicate findings to others who may not be familiar with the calculation and coding, which is crucial for an actuarial role.

I have successfully passed SOA Exams P, FM, and SRM and am currently preparing for the SOA Exam FAM. I am dedicated to passing more exams, and my goal is to obtain my ASA before 2026. My effective time management skills are demonstrated by passing three exams within six months. I plan to complete the FAM exam and take the ALTAM and PA exams by the end of next year. This demonstrates my commitment to the actuarial profession and my proactive approach to achieving my long-term career goals. Furthermore, my proficiency in programming languages like Microsoft Excel, R, Python, and SQL, along with my strong analytical and communication skills, will enable me to make valuable contributions to your team.

I am particularly excited about the opportunity to intern at Security Benefit because of your company's reputation for providing innovative solutions that help your customers achieve their retirement goal. I am



excited about the opportunity to be exposed to the various aspects of Security Benefit's activities like conducting data manipulation, assisting the Statutory Reserves Team, and validating data to create or update periodic or ad hoc reports. This opportunity aligns perfectly with my career aspirations and will allow me to apply and further develop my analytical and technical skills in a supportive environment.

Thank you for considering my application. I believe my unique set of skills and background could make me an asset to your business. I've attached my resume and please feel free to contact me via phone or email if you have any questions about my application. I look forward to the opportunity to discuss this position further with you.

Sincerely,

Anton Yang