



Han (Althea) Yang

Althea has an outstanding academic background with strong technical proficiencies in data modelling and risk analytics. She is highly motivated, enthusiastic, and possesses exceptional interpersonal skills cultivated from work and volunteer experience. Additionally, Althea has developed great time management with a proven ability to work under pressure to meet timelines.

EDUCATION

Master of Financial Insurance
University of Toronto
2023 - 2024

BSc (Honours) with Distinction
Actuarial Science
Minor in Mathematics
Simon Fraser University
2023

SKILLS

Technical: R; Python; MATLAB; VBA;
LaTeX; AXIS; Microsoft 365

PROFESSIONAL

CERTIFICATES/AWARDS

Society of Actuaries

P (Probability);
FM (Financial Mathematics);
VEE: Economics
VEE: Accounting & Finance
VEE: Mathematical Statistics

President's & Dean's Honour Roll:
2021; 2022
Open Scholarship: 2022

INTERESTS/ACTIVITIES

36

Hiking; Boating;
Travelling; Piano (G10)

EXPERIENCE

Simon Fraser University, B.C.
Researcher

May 2022-
Aug. 2022

- Participated in the Undergraduate Student Research Awards (USRA) program & granted a VPR USRA Science Award
- Studied the patterns in human mortality tables from different countries from data gathering, data cleaning, to modelling
- Invented ways of predictive analysis in mortality rates by modifying life tables
- Fine-tuned 30 different machine learning models & compared prediction results

Guolian Securities, Wuxi, Jiangsu, China
Actuarial Intern

May 2021-
Jul. 2021

- Designed & reviewed contracts for multiple insurance products
- Studied & proposed DRG & DIP health insurance reform
- Gathered data & refined historical insurance pricing models & developed statistical product models using VBA & R
- Collaborated with Strategic Planning & Legal

Project: Life Insurance Analysis [individual]
Simon Fraser University

Aug. 2023

- Calculated premiums for insureds based on company's requirements of loss reserves
- Used Python to simulate survival rates of insureds with different mortality rates
- Estimated benefit reserves & profits at month-end using Excel & VBA
- Suggested investments by plotting efficient frontier of four securities