Phoebe Liang

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Career Objective

An enthusiastic and energetic actuarial student who enjoys solving real world problems: I am focused on becoming a fully qualified actuary and am keen to deploy my excellent business acumen in a successful actuarial or data analysis career.

Higher Education

DEEPLEARNING.AI| ONGOING
· Deep learning Specialization

MASTER OF COMMERCE | EXPECTED JULY 2019 UNIVERSITY OF MELBOURNE
· Major: Actuarial Science

BACHELOR OF COMMERCE | 2017 | UNIVERSITY OF MELBOURNE
· Major: Actuarial Studies

THE INSTITUTE OF ACTUARIES OF AUSTRALIA
· Exemptions for CT1, CT2, CT3, CT5, CT7, CT8

Skills

- Proficient Machine Learning and Deep Learning skills for data science applications
- Strong coding ability both in producing clean and efficient code as well as debugging and understanding large code bases.
- Reinforcement learning skills required at advanced model automation.
- Experience in General Insurance Actuarial liability valuation and RBC assessment.

- Python, and packages NumPy, Pandas etc.
- R for Machine Learning and Spatial data analysis
- VBA for Microsoft suite applications
- SQL database management and information modelling skills
- Experienced use of modern source control (Git)

Relevant Experience

SOA (SOCIETY OF ACTUARIES) CASE STUDY CHALLENGE (2018)
· Assessed the sustainability of the long-term care system of a hypothetical country and provide recommendations on continued viability.
· Provided actuarial modelling to estimate the inflows and outflows of the long-term care system, taking into account improving mortality, care levels transitions, economic trends, caregiver shortage etc.

UBS INVESTMENT BANKING CHALLENGE (2018)
· Advised TABCORP on the merits of the potential acquisition of Tatts.
· Recommended acquisition price using different valuation methods.
· Provided suggestions on the dealings with regulators such as ACCC, ACT (Australian Competition Tribunal) while staying in line with the regulations.

BACHELOR FINAL YEAR PROJECT (2017)
· From the perspective of a hypothetical company, estimated the cost of converting defined benefits superannuation plan members to accumulation plan.
· Provide recommendations to maintain the financing of the superannuation funds, for both defined benefits and accumulation plan.