

Daniel Wong

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EDUCATION

Imperial College London

London, UK

MSc Risk Management & Financial Engineering

Sep 2021 - Present

- Core modules: Financial Engineering, Stochastic Calculus, Investments and Portfolio Management, Financial Statistics, Empirical Finance: Methods and Application, Risk Management and Valuation

University of Leicester

Leicester, UK

BSc Mathematics & Actuarial Science - First Class Honours

Sep 2018 - Jun 2021

- Dissertation: An Actuarial Dashboard for the Life Insurance Industry
- Worship Company of Actuaries Prize (2021)

EXPERIENCE

Avo Insurance

Hong Kong

Actuarial Intern - Actuarial Department

Jan 2021 - Apr 2021

- Created data visualisations of key performance indicators through Microsoft PowerBI
- Used Scrapy framework in Python to extract information from Hong Kong local newspapers
- Researched average premium prices and claim amounts for accidents caused by different transportation vehicles in Hong Kong from 2013-2020

Asia Insurance

Hong Kong

Summer Intern - Actuarial Department

Jun 2020 - Jul 2020

- Constructed a program in Python using the BeautifulSoup4 package to get live data of stock and bond prices
- Constructed a similar program that finds a portfolio's value at any previous date
- Summarised year-end financial statements and annual reports and provided analysis for assessing a client company's performance

Insurance Authority

Hong Kong

Summer Intern - General Business Division

Jun 2019 - Aug 2019

- Formulated an excel spreadsheet using Microsoft VBA to calculate targeted insurance companies' solvency ratios
- Planned and implemented a new filing system to rearrange old case files with two other interns. Relocated over 4000 case books within one and a half weeks
- Filtered and organised insurance related news from Hong Kong's local newspapers

EXTRA-CURRICULARS & ACHIEVEMENTS

Quantitative Analyst, Imperial College Business School Student Investment Fund

Oct 2021 - Present

- Worked in the data engineering team and implemented unified back testing framework for other strategy teams in the fund

Violinist, North Point Alliance Church Orchestra

Oct 2014 - Jun 2019

- Performed monthly during church services. Sat 3rd chair for the first violin section

Volunteer, Hong Kong Medical Mobilisation Team

Jan 2009 - Dec 2018

- Visited leprosy rehabilitation villages in Guangdong Province of Mainland China periodically, performing instrumental performances for the villagers

Volunteer, Service Trips to Cambodia, Thailand, Philippines, and Indonesia

Mar 2016 - Jun 2018

- Taught underprivileged children English and completed jobs that involved manual labour

SKILLS & INTERESTS

Technical skills: Python (numpy, pandas, matplotlib, ezgraphics), R (shiny), MATLAB, Microsoft PowerBI, Tableau

Languages: English (native), Cantonese (fluent), Mandarin (fluent)

Sports: Hiking, long-distance running, basketball, football

Interests: Chess, guitar, piano, violin, Korean culture