Daniel Wong

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EDUCATION

Imperial College London   London, UK
MSc Risk Management & Financial Engineering   *Sep 2021 - Present*
- Modules: Financial Engineering, Computational Finance with C++, Stochastic Calculus, Applied Trading Strategies, Blockchain and Applications, Financial Statistics, etc.

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 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 - Jun 2022*
- Implemented unified back testing framework for machine learning 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), C++, R, MATLAB, Microsoft PowerBI, Tableau
Languages: English (native), Cantonese (fluent), Mandarin (fluent)
Sports: Hiking, long-distance running, basketball, football
Interests: Chess, guitar, piano, violin, crypto, Formula 1, tennis, Korean culture