

# Daniel Wong

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## EDUCATION

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### Imperial College London

*MSc Risk Management & Financial Engineering*

London, UK

*Sep 2021 - Present*

- Applied Project: Systematic Spread Betting in the NBA Market
- Modules: Financial Engineering, Computational Finance with C++, Stochastic Calculus, Applied Trading Strategies, Blockchain and Applications, Financial Statistics, Introduction to Quantitative Investing

### University of Leicester

*BSc Mathematics & Actuarial Science - First Class Honours*

Leicester, UK

*Sep 2018 - Jun 2021*

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

## EXPERIENCE

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### Avo Insurance

*Actuarial Intern - Actuarial Department*

Hong Kong

*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

*Summer Intern - Actuarial Department*

Hong Kong

*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

*Summer Intern - General Business Division*

Hong Kong

*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

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### Quantitative Analyst, Imperial College Business School Student Investment Fund

*Oct 2021 - Jun 2022*

- Implemented unified back testing framework for the machine learning team 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

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**Technical skills:** Python (numpy, pandas, matplotlib), 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