

# Tony Tsang

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## Objective

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Motivated, analytical and intellectually curious computing postgraduate with strong research and problem-solving skills, and a keen interest in data analysis. Eager to apply technical skills within an information analytics placement.

## WORK EXPERIENCE

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### Oxford University Press (China)

Nov. 2023 – Sep. 2024

#### Editor

- Honed research and presentation skills as an editor with a focus on e-learning within the Science Education Editorial Team of 15 members.
  - Conducted research on the feasibility of generative AI in editorial work and presented among the team.
  - Represented the team in internal show-and-tell to introduce e-learning products to staff from different departments.
- Collaborated with sales and marketing teams in research, promotion and sales activities.
  - Visited local secondary school to demonstrate in-house applications to teachers and answered any ad-hoc questions.
- Enhanced IT skills using in-house or third-party computer programs to complete a range of tasks such as resources generation, updating company webpages and applications.

### Marshall Cavendish Education (HK)

Apr. 2019 – Oct. 2023

#### Editor

- Gained project management skills by acting as the project owner for multiple printed or electronic projects.
  - Acted as the project owner of the subject website of Citizenship and Social Development. ([bit.ly/4hnmUxi](https://bit.ly/4hnmUxi))
- Served as the e-learning and research expert in the editorial department with 20 people.
  - Generated ideas for new e-learning products while maintaining existing ones.
  - Performed data analysis with the download data from each of the 5 subject websites to informed decision-making.
- Enhanced public speaking skills by participating in sales and customer-support activities.
  - Led e-book workshops in primary schools, engaging groups of 5–20 teachers per session to illustrate effective use of e-book and related online resources.

## EDUCATION

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### Cardiff University

Sep. 2024 – Present

#### MSc, Computing with Placement

- **Relevant Modules:**
  - **Fundamentals of Programming:**  
Use high-level programming languages such as Python to complete programming tasks, and familiarise with programming concepts, simple data-structures and algorithm.
  - **Software Engineering:**  
Co-lead a team of 7 students to develop a business plan, risk register of an automated assessment tool. Develop the software following the agile model of software development.
  - **Data Visualisation:**  
Critically discuss and analyse visualisation theory and principle; access, manipulate and visualise data using JavaScript and Python.
  - **Database and Modelling:**  
Build essential SQL skills for advanced database functionality using industry-standard platforms like Oracle™.

### The Hong Kong Polytechnic University

Aug. 2017

#### BSc, Chemical Technology

- Second class honour
- Excelled at subjects with strong focus on analysis and/ or mathematics: Analytical Chemistry, Pollution Control

## CERTIFICATIONS

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- Learn Python 3 Course – Codecademy** 2024
- Learned the fundamentals of Python, such as dictionaries, file I/O and classes with 13 projects distributed at the end of each module.
- CS50's Introduction to Programming with Python – HarvardX** 2024
- Used Python to learn basics in programming, including debugging, handling exceptions, Object-oriented programming, etc. with exercises inspired by real-world programming problems.
- Google Data Analytics Professional Certificate (pending) – Coursera** 2024
- Learn data analytics methodologies and related tools such as Excel, SQL, R and Tableau.
- CS50's Introduction to Computer Science (pending) – HarvardX** 2024
- An introduction to computer science and the art of programming with several languages, including C, Python, SQL, and JavaScript plus CSS and HTML.

## SKILLS

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- **Python:** Gained competency in Python through online courses, Leetcode challenges, and modules in MSc such as Fundamentals of Programming and Algorithms, Data Structures and Programming.
- **SQL:** Obtained experience in SQL through Google Data Analytics Professional Certificate, CS50's Introduction to Computer Science and Database and modelling module in MSc.
- **Project Management:** Honed project management skills during the 5 years of being an editor with a focus on electronic products.
- **Self-directed Learning:** Avid self-learner who routinely seek high quality educational content and courses available to achieve excellence.
- **Collaboration:** Collaborated with designers, IT personnel, freelance writers, authors and teachers to ensure high quality in educational materials when working in publishers.
- **Communication:** Honed verbal and written communication skills with hosting presentations, workshops and meetings in professional environments.
- **Resilience:** Take on responsibilities normally reserved for more senior colleagues (e.g. oversee website development) during the difficult time in COVID. Take initiative to form relationships with related personnel and learn basic web design principles to ensure the quality of final product.

## INTERESTS

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- **Sports (Football and Basketball):** Regular 1<sup>st</sup> team member in secondary school, university and amateur levels for both sports. Cultivated team collaboration and leadership, while managing training and matches around study / work.
- **Competitive Street Fighter:** Competitive player and active member of Cardiff University Gaming Society and Southwest England Fighting Game Community. Built relationships with people of diverse backgrounds, while performing under pressure in tournaments with 20+ entrants.
- **Reading:** Read 6-7 books per year. Mostly non-fiction books in areas of interest, e.g. philosophy, finance, psychology, etc. Demonstrated drive for self-improvement and learning across disciplines.

*References available on request*