ALFRED CHEUNG

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EDUCATION

University of Oxford   Oxford, United Kingdom
Master of Physics - Predicted: 1st Class Honours   *Oct 2023 – Jun 2027*

HKBU Affiliated School Wong Kam Fai Secondary and Primary School   Hong Kong SAR
Graduation with Honour   *Sep 2011 – Jun 2023*

EXPERIENCE

Summer Intern   July 2024 – Aug 2024
Hong Kong Genome Institute   *Hong Kong SAR*
- Assisted in implementing analysis pipeline for genomic data
- Debugged and tested features for the Secure Research Environment built on a Linux virtual machine
- Gained exposure with best practice policies when handling sensitive data
- Researched and planned features to be implemented into the Secure Research Environment
- Reported development progress of the Secure Research Environment to executives

Student Helper   Feb 2024 – Present
Mansfield College   *Oxford, United Kingdom*
- Introduced the physics course to prospective students
- Answered questions student may have about life in Oxford

Recreation Assistant   July 2023 – Aug 2023
Citybase Ltd.   *Hong Kong SAR*
- Managed bookings of various clubhouse facilities
- Regular inspections of facilities and follow-up on relevant maintenance
- Answering inquiries from visitors

PROJECTS

GoldIn | *Nanotechnology*   Jul 2021-Apr 2023
- Developed a time-temperature indicator (TTI) with the use of gold nanoparticles
- Conducted quantitative examinations of the time-temperature nature of the TTI
- Applied the TTI for monitoring COVID-19 vaccines
- Presented findings to field experts and general public

AWARDS

Distinction in prelims examinations   Jul 2024
- Awarded by Univeristy of Oxford

48th Geneva International Exhibition of Conventions   Apr 2023
- Bronze award for GoldIn project

Hong Kong University of Science and Technology Dual Programme   Oct 2020 - Dec 2022
- Excellent performance in Physics level 1-3 programmes

The 37th Sing Tao Inter-School Debating Competition   May 2022
- Champion

SKILLS

Programming Languages: Python, MATLAB, Javascript
Digital Skills: Video editing with Davinci Resolve, Web Development, Microsoft Office
Languages: Fluent in English, Mandarin and Cantonese
Other Skills: English debate, Stage management