

Bohan Lin

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Imperial College London student with training in Chemistry Olympiad programmes looking to contribute to chemistry research.

EDUCATION

Imperial College London, London

2023 -

Enrolled under the 5-Year Chemistry MSc With a Year in Industry course.

Raffles Institution, Singapore — *A Level Diploma*

2017 - 2022

Obtained AAAA/A, and Distinction Grade in H3 Chemistry.

SKILLS

Strong chemistry knowledge

Trained as part of my school's Chemistry Olympiad team in 2021. Completed several undergraduate and postgraduate textbooks e.g. Clayden's Organic Chemistry, McQuarrie's Quantum Chemistry, Wyatt & Warren's Organic Synthesis: Strategy and Control. Extensive reading of primary scientific literature in diverse areas such as total synthesis, transition metal catalysis and computational quantum chemistry.

Familiarity with chemical software

Extensive experience in using Reaxys, SciFinder and Google Scholar to search existing literature. Familiarity with Avogadro and MestreNova. Learned data manipulation, formatting and graph-drawing skills in Excel, and diagram drawing in ChemDraw.

Experience in scientific research

Hands-on experience with key scientific skills such as designing and conducting experiments, writing research reports and managing project timeline.

PROJECTS

11th SCI-RSC National Retrosynthesis Competition (2023-2024)

Participated in the leading retrosynthesis competition in the UK, aimed at early-career chemists such as PhD students and postdoctorates from both academia and industry. One of 10 finalists and recipient of the Audience Award.

Singapore Chemistry League (2023-)

Initiated a nationwide chemistry competition hosted on July 29 2023, with endorsement by Singapore National Institute of Chemistry (SNIC). Member of the Organising Committee and additionally responsible for problem-setting, vetting, graphics & design. More details can be found at sgchemleague.org.

Science Mentorship Programme (2019)

Attached to a professor at National University of Singapore (NUS) for a year, during which I worked on a research project focussed on developing a scalable, classroom-based virtual reality system for e-learning.

ACADEMIC AWARDS

Audience Award, 11th SCI-RSC UK National Retrosynthesis Competition

Silver Medal, 2021 Singapore Chemistry Olympiad

High Distinction, 2019 Australian Mathematics Competition

Gold Award, 2020 International Original Comics Competition

WORK EXPERIENCE

Raffles Institution, Bishan — *Relief Teacher*

MARCH 2023 - SEPTEMBER 2023

Prepared lesson materials such as slides, course structure and marking rubrics. Conducted art lessons for Secondary School Year 1 and 2 students in classes of approximately 25. Co-organized a field trip to National Gallery Singapore for students under Raffles Institution's special art programme.

Montessori for Dementia Care, Kay Siang Road — *Part-time employee*

FEBRUARY 2023 - MARCH 2023

Conceptualized, prepared and executed interactive activities with elderly dementia patients such as sing-alongs, drawing activities and simple exercises.

McDonald's Pte Ltd, Potong Pasir — *Part-time employee*

DECEMBER 2020 - DECEMBER 2020

Maintained restaurant hygiene. Took orders, prepared and served food to customers. Attended to customer needs and inquiries. Liaised with other branches for equipment and logistics.

LQ Logistics Pte Ltd, Jurong East — *Part-time employee*

NOVEMBER 2020 - NOVEMBER 2020

Placed in charge of overseeing part time employees in retrieving, sorting and packaging products for warehouse & logistics company. Involved operation of manual forklifts.