

YANG Ming-Tian

PhD Student in Programming Languages

+852 4683 6202
skylee03@connect.hku.hk

EDUCATION

ACADEMIC QUALIFICATIONS

- 2025 – PhD Student in Computing and Data Science, University of Hong Kong
- Supervisor: Prof Bruno C d S Oliveira
- 2021 – 2025 BEng in Computer Science, University of Hong Kong
- Focus Certificate in Theoretical Computer Science
 - Minor in General Linguistics
 - Minor in Chinese Language and Literature
 - Minor in Sustaining Cities, Cultures, and the Earth (undeclared)
- autumn 2025 Certificate of Entrepreneurship Academy, University of Hong Kong
- spring & autumn 2023 Certificate of Interdisciplinary Honors Program in Logic, Tsinghua University

EXCHANGE EXPERIENCE

- spring 2026 Cross-Institutional Course Enrolment, Hong Kong University of Science and Technology
- feb 2023 – aug 2025 Virtual Exchange, Association of Pacific Rim Universities
- Coursework at Tsinghua University, Universidad de Chile, University of Science and Technology of China, Korea University, Chinese University of Hong Kong, Nagoya University, and Korea University
- autumn 2023 Exchange, National University of Singapore

ACHIEVEMENTS

COMPETITION AWARDS

- 2021 – International Collegiate Programming Contest
- Regional Contests Gold Medal × 1, Silver Medal × 3, Bronze Medal × 3
 - Asia EC Final Contests Bronze Medal × 1, Honourable Mention × 1
 - 49th Asia EC Final Challenge: *High-Performance Dynamic Memory Management* Third Prize
- 2020 Huawei Cloud EI Contest Autonomous Driving Cup (Secondary) Grand Prize
- 2019 & 2020 CCF Certified Software Professional (Senior) First Prize × 2
- 2019 Asia–Pacific Informatics Olympiad (China Region) Bronze Medal
- 2017, 2018 & 2020 National Olympiad in Informatics in Provinces (Senior) First Prize × 3

ACADEMIC AWARDS

- AYS 2025/26 – 2028/29 HKU Presidential PhD Scholarship, HKU Graduate School
- AYS 2025/26 – 2027/28 Hong Kong PhD Fellowship, Research Grants Council
- AY 2024/25 Young Tsun Dart Scholarship, HKU Faculty of Engineering
- AY 2023/24 C V Starr Scholarship, HKU
- AY 2022/23 Lau Sai Yan Prize in Chinese Language, HKU School of Chinese
- AYS 2021/22 – 2024/25 Dean's Honours List × 4, HKU Faculty of Engineering

PROFESSIONAL EXPERIENCE

- jun 2024 – apr 2025 Research Intern & BEng Project, HKU Department of Computer Science
- *Exploring Decidable Bounded Quantification Mechanisms via Formalisation and Implementation*
 - Supervisor: Prof Bruno C d S Oliveira
- mar 2024 – jul 2024 Assistant Lecturer Intern & PL and Dev Tools Intern, MoonBit
- Translated the MoonBit tutorial lecture materials from Chinese into English
 - Compiled the *Programming with MoonBit* textbook based on these materials
 - Developed the textbook's website
 - Continuously revised and updated the course materials to align with the latest MoonBit standards

apr 2023 – feb 2024

Student Research Assistant, HKU Business School

- *Datajure: A Domain-Specific Language Extension for Existing Data Processing Libraries*
- Supervisor: Prof Matthias M M Buehlmaier

TEACHING EXPERIENCE

UNIVERSITY OF HONG KONG

spring 2026	COMP3258 Functional Programming	TA
autumn 2024	COMP2396 Object-Oriented Programming and Java	Student TA
spring 2024	COMP2113 Programming Technologies / ENGG1340 Computer Programming II	Student TA
spring 2023	COMP2113 Programming Technologies / ENGG1340 Computer Programming II	Student TA
autumn 2022	ENGG1330 Computer Programming I	Student TA
autumn 2022	AI and Robotics: An Introduction (Student-Initiated Course)	Co-Instructor

UNIVERSITY SERVICE

spring 2026 –	Research Postgraduate Representative, HKU School of Computing and Data Science
AYS 2024/25 & 2025/26	Mentor for Buddy Programme, HKU CSSA Undergraduate Department
AYS 2023/24 & 2024/25	Faculty Student Adviser, HKU Faculty of Engineering
AY 2023/24	Student Adviser for Major and Minor, HKU Academic Advising and Scholarships Office
AY 2021/22	Alma Mater Visit Programme, HKU Admissions Office

SKILLS

Languages Mandarin (native), English (fluent), Shanghainese (heritage), Cantonese (intermediate)
Computing Rocq, Haskell, C++, Java, Python