

Asif Khan

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EDUCATION

- Hong Kong University of Science and Technology (HKUST)** Hong Kong
Master of Philosophy in Computer Science and Engineering Sep. 2024 – May 2026
- University of Waterloo** Waterloo, ON, Canada
Semester Exchange, Faculty of Mathematics Jan. 2023 – May 2023
- University of Waterloo** Waterloo, ON, Canada
Bachelor of Engineering, Major in Computer Science, Minor in Bioengineering Sep. 2020 – May 2024

EXPERIENCE

- HKUST** Hong Kong
Undergraduate Teaching Assistant - Department of Computer Science and Engineering Sep. 2023 – May 2024
- Served as an Undergraduate Teaching Assistant for COMP3111 - Software Engineering in Fall 2023 and Spring 2024, with a class size of 200+ students.
 - Implemented necessary corrections and modifications to the course's project guidelines, utilizing UML diagrams to ensure clear and comprehensive project definitions.
 - Conducted test runs of project submissions using unit testing methodologies, ensuring functionality and adherence to project specifications, and subsequently handled project appeal sessions to ensure transparent grading.

- Preface** Hong Kong
Coding Instructor Jul. 2023 – Present
- Taught Python, Scratch, App Inventor, and Full Stack (HTML/CSS/JS) Web Development to children aged 7-12 through one-on-one classes and group bootcamp classes.
 - Delivered over 30 different engaging classes to stimulate interest and facilitate understanding of complex coding concepts.
 - Served as a Teaching Assistant for monthly school events, providing support and guidance to ensure smooth event execution and active classroom engagement.

- New Vision Education Centre** Hong Kong
Mathematics and ICT Tutor Mar. 2021 – Dec. 2021
- Taught 35+ students through in-person and online classes, helping them prepare for the HKDSE examinations.
 - Recorded and assessed students' performance through lesson logs to provide individual feedback, improving examination results by up to 60%.
 - Introduced advanced topics to middle school students while equipping them with a proactive learning style, allowing them to learn up to 6 months ahead of their curriculum.

LEADERSHIP / EXTRACURRICULARS

- HKUST COMP-CPEG Mentor-Mentee Scheme** Hong Kong
Mentor Jul. 2023 – Present
- Offered advice and responded to questions about academic/study paths from freshmen.
 - Delivered a speech sharing experiences in learning and participating in co-curricular and extra-curricular activities.
 - Provided guidance, and planned small group activities for mentorship groups of incoming second-year students.

- HKUST Peer Mentoring Program** Hong Kong
Senior Peer Mentor May. 2021 – May 2023
- * Organized and led orientation activities for freshmen before their first semester at the university.
 - * Held individual advising sessions to discuss academic plans with students and to handle university inquiries.

SKILLS

Programming Languages: Python, C++, Java, HTML, CSS, JavaScript, MATLAB, SQL
Technical Skills: Microsoft Office, Adobe Creative Cloud, Classroom Management, Educational Technology
Soft Skills: Communication and Interpersonal Skills, Time Management, Organization, Adaptability, Flexibility