

Changhe Xie

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EDUCATION

BEng of Computer Science <i>The University of Hong Kong</i> GPA: 3.4 - Top 15%	09/2020 – 06/2024
Exchange Semester <i>The University of Wisconsin-Madison</i>	01/2023 – 06/2023
Summer Exchange <i>University of California, Berkeley</i>	2021

PROFESSIONAL EXPERIENCE

Programmer <i>Wafer Systems Limited</i> <ul style="list-style-type: none">Managed testing of the Inventory Subsystem (INV) at Wafer Systems Limited for a major library systems project valued in the hundreds of millions, effectively identifying and rectifying over 100 bugs.Leveraged Katalon to significantly boost testing efficiency, contributing to substantial improvements in system reliability and performance.	06/2023 – 09/2023 Hong Kong
Tutor <i>The University of Hong Kong</i> <ul style="list-style-type: none">Worked as a paid tutor for the COMP1117 course under Dr. Dirk Schnieders for one semester.Held weekly tutorials for a group of 30 students, ensuring clear understanding and progress.	07/2021 – 12/2021 Hong Kong

PROJECTS

A-Grade Study App <i>Main Developer</i> <i>An Android app incorporating Pomodoro, Study room, To-do list, and User data display features, leveraging Java as the primary language.</i> <ul style="list-style-type: none">Oversaw the entire UI design and backend development for the Pomodoro and Study room features.Earned recognition from Dr. T.W. Chim and secured participation in the 2022 HKU Inno Show.	10/2022 – 12/2022
Human Hands Tracking and Visualisation on HoloLens <i>Main Developer</i> <i>A program combined with Augmented-Reality and Computer Vision</i> <ul style="list-style-type: none">Collaborated with Dr. Jia Pan, designed and developed an MR program that uses computer vision algorithms to collect the data of human hands using the images data from HoloLensImplemented real time hand tracking on HoloLens using Microsoft MRTK package and render human hands mesh synchronously with Unity technologies	11/2021 – 02/2022
A Website Breaking the Information Cocoon <i>Main Developer</i> <i>A news site featuring a URL classifier core, offering diverse viewpoints.</i> <ul style="list-style-type: none">Constructed, trained, and tested a URL classifier categorizing news into U.S. Democratic and Republican segments. And Led website development utilizing MERN Stack.The program received the highest score for its course	01/2021 – 05/2021

OTHER HIGHLIGHTS

Scholarship
HKU Worldwide Undergraduate Student Exchange Scholarships

Programming Languages
Python, C, C++, Java, JavaScript

Frameworks & Tools
PyTorch, TensorFlow, MERN Stack, Git

Relevant Courses
Computer Vision, Machine Learning, Information Security, Database, Computer Internet, Operating System, Web Development and Internet, Android Mobile App Development, Data Structure, etc.