HONG Lanxuan

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EDUCATION

The Hong Kong University of Science and Technology   **September 2023 – Present**
Bachelor of Science   *Hong Kong*
Major in Computer Science, additional major in Electronic Engineering

Related Coursework: current cga: 3.958

- Programming(C++, Python)
- AI
- Design and Analysis of Algorithms(Honors)
- Data Visualization
- Signals and Systems
- Digital Fundamentals and System Design
- Discrete Math(Honors)
- Math Tools: Calculus, Linear Algebra

Xiamen No.1 High School   **September 2020 – June 2023**
Xiamen, Fujian

PROJECTS

Website Development   **November 2024**
Visualization Course Project   *Developer and Designer*

- Design and Develop a website to visualize caffeine consumption data allowing user interaction, focusing on university students.

Development of Bioinspired Tactile Sensor   **June 2024 - August 2024**
UROP Research Project   *Co-worker*

- Designed and fabricated the sensor body, including packaging structure and contact elastomer.
- Designed algorithm and train the model for robust result.

HKUST Smart Campus   **December 2023**
Smart campus locker system   *Leader*

- A solution to the common problem of finding suitable storage space on campus combines face recognition technology, data detection system and build a second-hand item exchange platform.

International Space Settlement Design Competition(ISSDC)   **April 2021 - July 2021**
Designed a human settlement on the surface of Mars   *Team Leader & Designer*

- Together with a team, we participate in ISSDC and designed a human settlement on the surface of Mars. I am in charge of designing automation system design.

ACHIVEMENTS & AWARDS

Dean's List   **Fall 2023 & Spring 2024**
Received for excelling academically throughout the semester(about top 3%)

HKUST Scholarship   **July 2023**
Awarded for enrolling excellent final exam results from Gaokao

SKILLS

Programming Languages

- C++(Common Libraries), Python(Numpy, Pandas, sklearn, opencv), HTML, CSS, JavaScript(react, D3)

Technical Tools

- Git(Github), LaTeX, 3D Studio Max, MATLAB, Tableau Isaac Sim

Hardware

- BASYS3 Board(using VHDL), Arduino Core Family,

Languages

- Native: Chinese, Hokkien
- Fluent: English
- Studying: Cantonese, Spanish