

Yang Jiahao

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EDUCATION

The Chinese University of Hong Kong, Shenzhen

Bachelor of Science in Computer Engineering

Expected Graduation Year: 2026

- **Relevant Coursework:** Machine Learning, Deep Learning, Data Structure, Optimization, C/C++ Programming, Java Programming, Digital Logic & System, Information Technology

WORK EXPERIENCE

Digital Jinhua Technology Operation CO., LTD.

July 2024-August 2024

Java Backend Developer Intern

- **Job description:** Assisted in maintaining the municipal government stability website based on Chinese open-source framework 'ruoyi-vue' developed by the company.
 - Redesigned the Post(position) Menu Update interface, implementing synchronization between role updates in the Post menu and the User menu role list.
 - Updated the Petition-Information Import interface, the new interface will return an Excel file with upload results and error details.

SCHOOL EXPERIENCE

4-bit Parallel-In Serial-Out (PISO) Shift Register

April 2024

- **Program description:** This project was part of the ECE2050. In this project, I implemented a 4-bit PISO Shift Register.
 - **Tools:** Vivado
 - **Code:** <https://github.com/Yang-JH13/ECE2050-Digital-Logic-and-Systems>

Simple AI model for Google Dino Game

June 2024-July 2024

- **Program description:** This project was part of the ECE4010. In this project, I implemented a simple AI model using Deep Q-learning.
 - **Tools:** Jupyter notebook, Gymnasium, Pytesseract OCR, stable_baselines3 (DQN), Pydirectinput, OpenCV, etc.
 - **Logic:** Using the survival time of the Google dinosaur as the measure of the model's performance and used the DQN model from stable_baselines3 to train the agent.
 - **Code:** <https://github.com/Yang-JH13/ECE4010-Machine-Intelligence-and-Applications>

LEADERSHIP EXPERIENCE

Teach For China – CUHKsz

September 2022-Present

Organizer

- Assisted in organizing a letter exchange activity with rural children in Guangxi Province and organized a friendship paper-making activity with another school in Gansu Province.
- Recruited over 10 members to the club, about 50 members participated in the friendship activity and more than 50 members participated in the letter exchange activity.

SKILLS & INTERESTS

Languages: Putonghua native speaker; Elementary proficiency in English

Technical Skills: *Proficient in:* Java, Python *Familiar with:* MATLAB, C/C++