XIN Jiayi

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Education

The University of Hong Kong (HKU)   Sep 2020 - Aug 2024 (expected)
- Curriculum: Bachelor of Arts and Sciences in Applied Artificial Intelligence
- Major: Applied Artificial Intelligence
- CGPA: 4.05 / 4.30

- Related Courses: Probability and Statistics / Multivariable Calculus and Linear Algebra / Natural Language Processing / Data Analysis

Honors / Awards
- Laidlaw Scholarship, the Laidlaw Foundation (2021)
- Dean's Honours List, the Faculty of Science, HKU (2021)
- Future Leaders of the Year Scholarships, HKU (2020)
- The second prize of China High School Students Biology Olympiad (2019, 2018)
- The second prize of High School Students Physics Competition at provincial level (2019)

Working Experience / Extra-curricular Activities

- **Summer Research Intern, HoLab, Li Ka Shing Faculty of Medicine, HKU (2021)**

Supervisor: Dr Joshua W.K. Ho

Research topic: Using artificial intelligence (AI) to turn a mobile smartphone into a stethoscope
  - trained RNNs to perform heart sound segmentation using TensorFlow and Keras
  - built a prototype and achieved promising results on test data set
  - joined weekly journal sharing and presented the topic about explainable AI
  - served as a student TA for HKU Biomedical Sciences Summer Academy (2021 August) and conducted a workshop

- **Summer Intern, Centaline Data Technology Limited, Hong Kong (2021)**
  - maintained and updated databases using SQL
  - performed data analysis on real estate sales data and findings were integrated into the company's propaganda campaigns

- **Presenter of HKU BASc(AppliedAI) Program Video Sharing (2021)**
  - Link: https://www.youtube.com/watch?v=UYDV2c8VZGU

- **Member of the competition team, HerKules-AI society, HKU**
  - aim at the RoboMaster University AI Challenge (RMUA)
  - plan to develop reinforcement learning algorithms for robots

- **Academic Secretary, HKU AI society**
  - host regular events to connect HKU AI students
  - organize career talks to help students with their career path

- **Crowdsource Influencer, Google**
  - organized events to share the knowledge about machine learning in local communities
  - mentored newly-on-board Influencers

Skills and Personality
- Computer: Python (familiar with NumPy, pandas), TensorFlow, C++, SQL, Linux environment, Git, MATLAB, R, Jupyter Notebook, AWS, Excel, Word, PowerPoint
- Language: Mandarin (native); English (fluent); IELTS (8.0 / 9.0); Cantonese (fair)
- Strong interpersonal skill and teamwork ability
- Fast learner with strong analytical and problem-solving skills