WANG JIUMING

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EDUCATION

The Chinese University of Hong Kong (CUHK) 08/2019 – 07/2023
BEng in Artificial Intelligence: Systems and Technologies (First Class Honours)
cGPA: **3.87**/4.00, major GPA: **3.98**/4.00

PUBLICATIONS (* equal contribution)

1. AcrNet: Predicting Anti-CRISPR with Deep Learning, Y. Li*, Y. Wei*, S. Xu, Q. Tan, L. Zong, **J. Wang**, Y. Wang, J. Chen, L. Hong, Y. Li, Bioinformatics (IF=6.94), 2023

2. Deep autoencoder for interpretable tissue-adaptive deconvolution and cell-type-specific gene analysis, Y. Chen*, Y. Wang*, Y. Chen, Y. Cheng, Y. Wei, Y. Li, **J. Wang**, Y. Wei, T. Chan, Y. Li, Nature Communications (IF=17.69), 2022

RESEARCH EXPERIENCE

Research Intern, King Abdullah University of Sci. and Tech., Saudi Arabia   Jun 2022 – Sept 2022
Topic: Peptide Structure Encoding with Self-Contrastive Learning (supervised by Prof. GAO Xin)

Research Intern (part-time), AI in Healthcare (AIH) Group, CUHK   Sept 2021 – present
Topic: Precise RNA Folding Modeling with Deep Learning (supervised by Prof. LI Yu)

Research Intern, AIH Group, CUHK   Jun 2021 – Sept 2021
Topic: Chromatin Loop Detection via Deep Learning (supervised by Prof. LI Yu)

AWARDS AND SCHOLARSHIPS

Hong Kong PhD Fellowship (HKPFS)	2023/24
CUHK Vice-Chancellor Scholarship	2022/23
Yao Fellowship (2/1,035)	2022/23
Hong Kong SAR Government Scholarship (top 1%)	2022/23
S. H. Ho College Scholarship for General Education	2022/23
Yu To Sang Memorial Scholarship	2022/23
Hung To An Memorial Scholarship	2022/23
Master's List Award (15/600+)	2022/23
Gold Award for Outstanding Academic Performance (3/1,035, ranked the first)	2021/22
Professor Charles K. Kao Research Exchange Scholarship (7/2,525)	2021/22
Professor S. C. Loh Scholarship	2020/21
Outstanding Student Scholarship	2020/21, 2021/22, 2022/23
Dean's List	2019/20, 2020/21, 2021/22, 2022/23
ELITE Stream Scholarship	2019/20, 2020/21
Matriculation Award	2019/20

LANGUAGE PROFICIENCY

- Mandarin (native)
- English (proficient): IELTS 8.0/9.0 (Reading 9.0, Listening 9.0, Writing 7.5, Speaking 7.0)
- French (elementary): CEFR-A1

SKILLS

- Deep learning tools: PyTorch (experienced), TensorFlow
- Programming languages: Python, C/C++, OpenGL, MATLAB, Unix, HTML, CSS