

# Curriculum Vitae of Maodian Huang

## Contact Information

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## Academic Interests

Algorithms  
Software Engineering  
Interactive Design  
Robotics  
Machine Learning

## Education

2021.09 ~ present                   *Bachelor of Engineering in Computer Science*  
The University of Hong Kong(HKU)

2024.01 ~ present                   *Non-Graduating Programme(Exchange Study)*  
National University of Singapore(NUS)

## Positions

2023 Summer       *Intern programmer at the HKU Speech, Language & Reading Laboratory(SLRLab)*

2023 Spring        *Student Teaching Assistant of course COMP2113B – Programming Technologies in HKU*

2021 ~ present     *Member of Provinci, the HKU ICPC Competition Team*

2022 ~ present     *member of HKU Astar, a student group focused on learning and developing fully and semi-automatic, sensory driven robots*

2023 ~ present     *member of HKU HerKules, the HKU RoboMaster Team dedicated in the development of robots to participate in the RoboMaster University League(RMUL) and RoboMaster University Championship(RMUC) Competitions.*

## Awards & Selected Honors

2024                C.V. Starr Scholarship  
Issued by International Affairs Office, Academic Liaison Office, the University of Hong Kong

2023                Second Prize  
RoboMaster 2023 University Championship(International) Competition

2023                Third Prize  
RoboMaster 2023 University League(Guangdong Regional) 3V3 Clash Competition

2023	3 <sup>rd</sup> place honor The 2023 Association for Computer Machinery Hong Kong Chapter(ACM-HK) Programming Contest
2023	Student Achievement Awardee for External Competitions HKU Centre of Development and Resources for Students(CEDARS) 26 <sup>th</sup> Recognition Ceremony
2023	Bronze Medal The 2022 International Collegiate Programming Contest(ICPC) Asia East Continent Final
2023	Silver Medal The 2022 ICPC Hong Kong Regional, China
2022	Silver Medal The 2022 ICPC Jinan Regional, China
2022	Student Achievement Awardee for External Competitions HKU CEDARS 25 <sup>th</sup> Recognition Ceremony
2021	Gold Medal The 2021 ICPC Shanghai Regional, China
2019	First Prize China Computer Federation's Certified Software Professional - Senior(CSP - S), Zhejiang Province
2018	Second Prize China Computer Federation's National Olympiad In Informatics(NOIP), Zhejiang Province

## Skills

- **Languages:** English, Mandarin(Native)
- **Programming Languages:** Proficient in C, C++, Python, Java, C#, Haskell, R, SQL
- **Development Tools/Frameworks:** Robot Operating System(ROS), Unity, Emacs, Django, MySQL, Rstudio, IntelliJ, Eclipse, Blender
- **Programming Concepts:** Algorithms, Data Structures, Complexity and Optimization Theories

## Projects

- Lead developer of the Radar Station for RoboMaster University Championship 2024 for HKU team HerKules.
- Front and Back-end Programmer of Festival Game, a Unity-based game aimed for children to support future research from SLRLab, HKU
- Developer of the Radar Station in Robomaster University Championship 2023 for HKU team HerKules.
- Decision Tree design for the Sentry Robot in Robomaster University League 2023 for HKU team HerKules.
- Coding and concept design for student game project: [Glitter](#).

*last updated: 30th Mar /2024*