

# Han HU

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## Education

2017 - 2021

**The Chinese University of Hong Kong**

BEng. in Information Engineering

Bachelor of Engineering with Honours, First Class

Member of ELITE Stream in Faculty of Engineering

*The ELITE Stream is offered by the Faculty to students with excellent academic performance. Its aims are to nurture outstanding engineering students and to develop their potentials through additional challenging coursework and invaluable extra-curricular activities.*

Cumulative GPA: 3.629/4.0 Major GPA: 3.850/4.0

- Related Courses (in chronological order): Fundamentals of Machine Learning, Optimization Methods, *Reinforcement Learning* (Postgraduate Course), Digital Communications, Multimedia Coding & Processing, Introduction to Cyber Security, Microcontrollers & Embedded System, *Information Theory* (Postgraduate Course), Image and Video Processing, Wireless Communication Systems, Computer Networks, Information and Software Engineering Practice, Simulation & Statistical Analysis, Data Structures, Networks: Technology, Economics & Social Interactions, Principles of Communication Systems, Introduction to System Programming, Signals and Systems, Basic Circuits

2021 - Present

**The Chinese University of Hong Kong**

PhD Student in Information Engineering

## Awards & Honors

**Academic:**

2018-19

Scholarship for Academic Excellence 2019–20 from KY Chang Scholarship

2019, 20, 21

Dean's List, Faculty of Engineering

2020-21

Scholarship for Academic Excellence 2020-21 from The Yen Scholarship

2020-21

ELITE Stream Scholarship

### **Extracurricular Activities:**

2018.06

As student helper in several university admission seminars

2018-19

As mentor in Joint College Peer Mentoring Program

## Working Experience

2021.08 - 2022.07

**The Chinese University of Hong Kong**

Junior Research Assistant

- Wireless Internet-of-Things Systems (WIoT) Research Group

## Research Projects

2019.06 - 2019.09

Investigation of message-passing algorithms

- Advisor: Prof. Pascal Vontobel, CUHK
- Using message-passing algorithms for trajectory estimation in motion models.

2020.06 - 2021.04

Building a Contactless and Continuous Wireless Sensing System

- Advisor: Prof. He Chen, CUHK
- Develop a comprehensive wireless sensing system which leverages the information-carrying RF signals for contactless and continuous monitoring of human vital signs

2021.05 - Present

Wireless Sensing on Mobile Robots

- Advisor: Prof. He Chen, CUHK
- Focus on the combination of wireless communication, wireless sensing and control applications on mobile robots.

# Professional Skills

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## Programming Languages:

- Proficient in C
- Proficient in MATLAB
- Familiar with Python, C++, C#

## Frameworks:

- Cloud Service (AWS)

# Research Interests

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- Wireless sensing
- Industrial Internet of Things
- Signal processing in wireless communications