ZIYANG SONG

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SUMMARY

- Diligent and Conscientious student in academics. Thirsty for knowledge and good at thinking.
- Energetic and Courageous player in extracurricular activities. Likes challenges and holds the spirit of never giving up.

EDUCATION

M.Sc. Information and Network Engineering
KTH Royal Institute of Technology

- 2022 – 2024(esti.)   Stockholm, Sweden
- **GPA**: 4.7/5.0
- **Study Track**: Networked Systems

B.Eng. Electronic and Information Engineering
Harbin Institute of Technology, Shenzhen

- 2019 – 2023   Shenzhen, China
- **GPA**: 88.5% cumulative average of all courses.
- **Core Modules**: Stochastic Signal Analysis (94%) Experiments for Signals & Systems (96%) Image Processing (98%)

CLUB PERFORMANCE

Class Assistant
Publicity Committee   Sept. 2019 – June 2022
- Organizing activities, making posters, writing news & articles, running class social media, taking photos.

Microsoft Students' Club
Member, Club Director   Oct. 2019 – Aug. 2021
- Organizing Teaching activities, clubs' science festivals, running creative projects.

Swimming Club
Founder, vice Club Director   Oct. 2021 – June 2022
- Offering chances for swimmers to share & compete.

SKILLS & INTEREST

Programming Languages
- **Advanced**: C/C++, MATLAB
- **Intermediate**: JavaScipt, Python

Languages
- Chinese (Cantonese/Mandarin)
- English (IELTS 6.5 – L 6.5/R 7.0/W 6.0/S 6.0)
- Japanese (Basic conversations)

Hobbies
- Swimming, Cycling, Cooking, Reading

PROJECT EXPERIENCE

Building Networked System Security
Networked Systems   Jan. 2023 – March. 2023
- Project Course. Using OpenSSL to basically implement an organiztion's internal network's authentication and certificate managment. Realization of secure connection between certain clients and servers.

Quad rotor Drone with weight lift
Machinery & Automation   Oct. 2021 – Mar. 2022
- Raspberry PI micro-controller-based programming in MicroPython and C, using PID control in velocity loop for rotor control. Using Simulink to emulate the environment.

Wechat Mini-program for Maker-Space
Computer Technology   Nov. 2020 – May 2021
- Online APP-like mobile-adapted Wechat Mini-program can run & search in the market. Main functions are real-time news & message synchronization with university official website, club's self-media articles collecting & updating, and club member info-integration.

Electronics Process Internship of Summer
Electronic & Information Engineering   July 2021
- Audio player with multi-functions.
  It is by MSP430 series mini-controller programming in C, using infrared & ultrasound sensors for simple gesture detections of pause/play/next, with an 8*8 LED array to display figures matching the rhythm of music, laser-cutting outer package made in CAD.

ACHIEVEMENTS

Grants & Honours
- Scholarship for Oversea Student   2022
- Scholarship for Undergraduate Student   2021
- Scholarship for Undergraduate Freshman   2019

Prizes & Awards
- Final List, Huawei Sweden Hackathon 2022
  (Topic: User mobile channel allocation)   2022
- First Prize, The 12th Lan Qiao Cup Provincial in C++ Group
  (National Software and Information Technology Competition, top 10%)   2021
- Third Prize, CUMCM-2021 Provincial
  (Chinese Undergraduate Mathematical Contest in Modeling, top 50%)   2021