# Yuqi Liu

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## Education

**2021-2022** — **Exchange Master of Human Computer Interaction**.
Aalto University, Helsinki

**2020-2022** — **Master of Interactive Media Technology**.
KTH Royal Institute of Technology, Stockholm

**2019** — **Artificial Intelligence Summer School**.
University College London, London
Project: Box Office Prediction

**2017–2021** — **Bachlor of Computer Science in Software Engineering**.
Harbin Institute of Technology
GPA: 84.48/100 | IELTS: 7.0

## Skills & Areas of Interests

- Full Stack Web Programming
- User Interface Design and Implementation
- Application and Architecture of Machine Learning and Neural Networks
- Android Application Programming
- Cloud Software and Systems
- Search Engine Algorithms
- Languages and Ecosystems: Python, Java, TypeScript, ReactJS, DJango, Mysql, MongoDB, Oracle, Postgres, Linux, ElasticSearch.
- Speech Recognition - ASR

## Professional Experience

**May'21-Aug'21** — **Panprices, Stockholm**.
**Software Engineer Summer Intership**
- Designing user interfaces for internal applications
- Implementing a wide range of features in large parts of the backend system
- Optimizing the core data flows

**Sep'20-** — **Royal Institute Of Technology, Stockholm**.
**Projects**
- Implement a document search engine
- Design and implement collection gallery using React, Firebase
- Create a Menstruation Advisor using Furhat Social Robot
- Design a star lamp as pandemic media

**Nov'19–June'20** — **Student researcher at Data Mining Lab, HITwh**.
**Project**: Group detection system based on user profiles
**Description**:This project is engaged in Graph Neural Network research and the group detection algorithm. My major work is to read paper of GNN and deploy 12 servers with kafaka, Elasticsearch, Kibana, redis, scrapy, MongoDB to build the SNES platform.

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| Apr'19–<br>July'19 | **Software Engineering Project at HITwh**.<br>**Project**: Body Language and Music Connect the World for community sharing<br>**Description**:This project is based on tensorflow.js and react to build one live website for people to detect body languages through browser camera and highlight the skeleton , at the same time, scanning through the camera to generate music by the point light motion for community sharing. |
| Summer–<br>2019 | **Participant in Machine Learning Summer school at Unversity College London, UK**.<br>**Project**: Box Office Prediction<br>**Description**:This project is from a Kaggle Competition, Box Office Prediction, which is based on feature engineering and machine learning. Deal with text data and process into number features and use various machine learning models to train the data and predict box office. |
| Summer–<br>2019 | **Summer Intern at Dalian Huaxin Computer Technology Co., Ltd**.<br>**Project**: Developed and produced salary inquiry system and Web Crawler<br>**Description**:This project used Spring MVC to build a employees' salary system and another one used python to do web crawler from the BOSS website to draw different charts of the employees' information statistics. It has improved my own ability to handle real problems and cope with complex difficulties. It has also cultivated my collaborative capacity and improved my organization ability and innovation ability. |
| Jan'18–<br>Feb'19 | **Student Researcher at Social Network Lab, HITwh**.<br>**Project**: Association Rules to detect pyramid sale<br>**Description**:This job has enabled me to do researches using different data mining algorithms, especially in association rules, which is applied in detecting pyramid sale by transaction history. Learned some courses like CS231n, CS224w, Machine Learning in Cousera. |

## Scholarships and Certificates

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| June 2020 | **First Grade Scholarship**,issued by Harbin Institute of Technology, Weihai. |
| 2018-2019 | **Social Practice Scholarship** ,issued by Harbin Institute of Technology, Weihai. |
| 2019 | **Oustanding Student Leader of HIT** ,issued by Harbin Institute of Technology. |
| Augest 2019 | **Second prize of Machine Learning project**, issued by University College of London summer school |
| September 2017 | **Award of Excellence of English debate rookie challenge**,issued by Harbin Institute of Technology, Weihai. |

## Extracurricular Activities

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| September 2019 till now | **Public Student Service**.<br>I love to devote my time into helping others, in which I find my values of living in this world by offering help and support for students who are in need. Volunteering in guiding their ways and talking with them have made me feel happy and built my leadership.<br>○ Class Monitor: Organized several class activities and handled class general affairs.<br>○ Member of Student Union and Director of further study abroad center of CS Dep : Participated in Organizing group events and Studying Abroad Seminar and fresh member interviews, offering new study platform and discovering new technology classes website.<br>○ Class commissary in charge of studies : Help students in class with their study problems and Listen to their difficulties. Handle class general affairs in class. |
| Whole Life | **Experience Sharing**.<br>As a passionate writer and adventurer, I enjoy sharing my ideas and feeling about life to the community in various platforms.<br>○ Learning notes in Bachlor: Jianshu Blog.<br>○ My perception and thinking of today's world: YouTube. |

## Interests

Photography, Calligraphy, Dubbing, Hiking, Reading & Writing.

I love to try out all kinds of new stuff to keep challenging myself.