

Hanwen Liao

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EDUCATION

New York University

M.S. - Computer Engineering

New York, NY

Sep. 2019 - Jun. 2021

Beijing University of Posts and Telecommunications

B.E. - Telecommunication Engineering

Beijing, China

Sep. 2015 - Jun. 2019

- GPA: 85/100
- Relevant Coursework: C++ Programming, Data Structures, Database Technology and Application, Java Programming, UNIX Operating System and Applications, Computer Networks and Internet

EXPERIENCE

Eastcom-BUPT Information Technology Co.,Ltd.

Beijing, China

Software Development Engineer - ISMP Department

Jun. 2016 - Sep. 2016, Jun. 2018 - Aug. 2019

- Developed and maintained the ISMP (Integrated Service Management Platform) (C++, Linux)
- Developed the interface module of ISMP, which encodes and decodes between HTTP message and JSON message
- Modified the Lua compiler. Added a new grammar and banned specific variable names by modifying the lexical analyzer of the Lua compiler
- reconstructed the Lua virtual machine management module of ISMP. Redesigned the message flow path between ISMP modules and Lua co-routine using libevent library. Developed message distribution module to pass request to idle Lua co-routine pool.
- developed the joint of ISMP and microservice platform (Golang)

PROJECTS

Intelligent Healthcare Project

Beijing, China

Supported by Wireless Communication Center, BUPT

Oct. 2018 - Apr. 2019

- As a research assistant, participated in the development of intelligent mattress
- Developed and maintained server program, which uses Django to receive data from devices and store it in MySQL database
- Developed an Android APP to access data from server and show it by charts

IoT Nodes Embedded Development Project

Beijing, China

Supported by Becstrong Co.,Ltd.

Jun. 2018 - Oct. 2018

- Developed IoT node program on STM boards, transmit data between boards by Zigbee
- Developed Android APP to receive data and show it by charts

Self-landing Quad-rotor Unmanned Aerial Vehicle

Beijing, China

The first prize in BUPT Innovation Exhibition

Jun. 2017 - Oct. 2017

- As a team member, designed a flight control system which could land automatically. The landing precision is within centimeter-level
- Designed the short-range precise location equipment for UAV using Arduino, amplifier and ADC

Skills

- **Languages:** C/C++, Golang, Java, Python, SQL, Assembly, JavaScript, CSS, VHDL, Sell Script
- **Technologies:** Git, SVN, Linux, MySQL, SQL Server, MATLAB