

Hanwen Liao

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🌐 github.com/LiaoHanwen

EDUCATION

New York University

M.S. - Computer Engineering (GPA: 4/4)

New York, NY

Jun. 2021

Beijing University of Posts and Telecommunications

B.E. - Telecommunication Engineering (GPA: 3.5/4)

Beijing, China

Jun. 2019

EXPERIENCE

New York University

Teaching Assistant - Computer Architecture

New York, NY

Jan. 2020 - Current

- Participated in recitations and helped students comprehend the material
- Ran office hours to assist students with questions on assignments and exams
- Graded assignments and exams with proper feedback on the scores

Eastcom-BUPT Information Technology Co.,Ltd.

Software Development Engineer - ISMP Department

Beijing, China

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

- Maintained the ISMP (Integrated Service Management Platform) (C++, Linux)
- Modified the Lua compiler. Added a new grammar (like annotation in Java) and banned specific variable names by modifying the lexical analyzer of the Lua compiler
- Reconstructed the Lua virtual machine management module of ISMP using libevent library. Reduced the average response time by one-third
- Created the interface of ISMP and microservice platform, which passes JSON message (Golang)

PROJECTS

Intelligent Healthcare Project

Supported by Wireless Communication Center, BUPT

Beijing, China

Oct. 2018 - Apr. 2019

- Collaborated with a group of graduate students to develop intelligent mattress
- Developed and maintained server program, which uses Django to receive data from devices and store it in MySQL database
- Built an Android APP, which is able to access data from the server and show with charts using Chart.js

IoT Nodes Embedded Development Project

Supported by Becstrong Co.,Ltd.

Beijing, China

Jun. 2018 - Oct. 2018

- Developed IoT node program on STM boards
- Built an Android APP to receive data and show with charts

Personal Website

<https://liaohanwen.com>

China

- Integrated Markdown editor and viewer in website
- Used Golang as web server and MongoDB as database

SKILLS

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