Hanwen Liao

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EDUCATION

New York University   **New York, NY**
M.S. - Computer Engineering (GPA: 4/4)   *Jun. 2021*

Beijing University of Posts and Telecommunications   **Beijing, China**
B.E. - Telecommunication Engineering (GPA: 3.5/4)   *Jun. 2019*

EXPERIENCE

New York University   **New York, NY**
Teaching Assistant   *Jan. 2020 - Current*

- Participated in recitations and helped studentscomprehend 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.   **Beijing, China**
Software Development Engineer - ISMP Department   *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 modifing 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   **Beijing, China**
Supported by Wireless Communication Center, BUPT   *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   **Beijing, China**
Supported by Becstrong Co.,Ltd.   *Jun. 2018 - Oct. 2018*

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

Personal Website   **China**
https://liaohanwen.com

- 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, Sell Script
- **Technologies:** Git, SVN, Linux, MongoDB, MySQL, SQL Server, MATLAB