

Fuyao Wang

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Education

M.S. in Electronic and Computer Engineering, Boston University, Boston, MA	09/2018 - 05/2020
B.S. in Electronic & Information Engineering, Beijing University of Technology, Beijing, China	09/2014 - 07/2018

Professional Skills

Programming Languages: C, C++, PHP, Java, Python, Go.

String knowledge of data structures, algorithms, strong ability of solving problems and the experiences of design high performance **Mysql**.

Linux, macOS operating systems, know how to use basic commands(grep, find, awk, sed, etc.) and the ability of using **Docker** and **Git**.

Network related knowledge(TCP/IP, HTTP protocol, socket, etc.).

Courses

Computer Science Basics: Algorithms & Data Structures, Computer architecture, Embedded systems, Linux, etc.

Software Design: Obeject-oriented Programming, Embedded Programming Design, Database, etc.

Experiences

Stars Shining Technology Co. Ltd (<i>Backend & PHP, Golang, Mysql</i>)	Beijing, China
<i>Software Engineer Intern</i>	<i>May 2019 - present</i>
<ul style="list-style-type: none">● Focused on building the backend of a SaaS hiring management system using Phalcon PHP framework.● Developed micro services and the web application using Gin Golang framework.● Used Mysql database, developed in Docker, and used Git for version control.	
Beijing Silk Street Co. Ltd (<i>Software Design & C++, Java</i>)	Beijing, China
<i>Software Engineer Intern</i>	<i>Mar 2018 - Jun 2018</i>
<ul style="list-style-type: none">● Worked with a team to design an Android App implementing a Smart Delivery Cabinet.● Programmed C++ and Java to combine all hardware together including locker, card reader and debug.	
Beijing University of Technology (<i>Internet of Things & C, C++, Java</i>)	Beijing, China
<i>Software Engineer Intern</i>	<i>Feb 2017 - Apr 2017</i>
<ul style="list-style-type: none">● Embedded RFID card reader which can communicate with an Android devices. Used Mysql for database.● Programmed C and C++ to set all hardwares up and wrote a Android App in Raspberry Pi.● Became in-use within the campus labs.	

Projects

Product Design of Utility Poles Detection System (<i>Python, Tensorflow, Web</i>)	Boston, MA
<i>Machine Learning & Web App</i>	<i>Sep 2018 - Dec 2018</i>
<ul style="list-style-type: none">● Trained darknet model to detect and label utility poles, used Google Map API to get the street view images.● Used Django as framework, Python as backend, and Mysql database to design the web application.	
Linux Kernel MP3 Player Design (<i>C</i>)	Boston, MA
<i>Linux</i>	<i>Sep 2018 - Dec 2018</i>
<ul style="list-style-type: none">● Designed a mp3 player kernel module, which connected to a bluetooth speak and could control musics play.● Implemented functions of both user space and kernel level, a LCD screen was also combined for displaying.	
Intelligent Fish Tank (<i>Internet of Things, C, Python, Android</i>)	Beijing, China
<i>Embedded System</i>	<i>Dec 2016 - Feb 2017</i>
<ul style="list-style-type: none">● Implemented ultrasonic distance module, temperature sensor and WiFi module by C.● Built an Android App to remotely collect the date and control the water temperature and distance in fish tank.	