

Fang Yan

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EDUCATION

Johns Hopkins University	2019.09 - 2022.05
Electrical and Computer Engineering, Master	Baltimore
• Cumulative GPA: 3.78	
Huazhong University of Science and Technology	2015.09 - 2019.06
Electronic Information Engineering, Bachelor	Wuhan
• Cumulative GPA: 3.72	

SKILLS LIST

Programming Language: Java, Python, Shell, Matlab

Tools: SpringBoot, MyBatis, Vue.js, MySQL, ElasticSearch, Redis

INTERNSHIP EXPERIENCE

Trip.com Group	2021.06 - 2021.08
Software Development Engineer Intern	
Develop the travel map application which has more than 80 thousand users right now. This application is designed to provide traveller one-stop service, including attraction recommendation, hotel booking, and so on.	
<ul style="list-style-type: none">• Use AOP to flexibly add flow monitor and version controller.• Use Java Forkjoin to asynchronously load map information and store attractions' data from the previous image into Redis to enhance the fluidity of screen dragging. The performance has been improved by 40%.• Design interface layer of a series of basic business logic by using SpringBoot + SOA framework.• Improve text search performances by using ElasticSearch instead of standard SQL queries.	
Huawei Technologies Co., LTD.	2020.08 - 2020.12
Software Development Engineer Intern	
Design and build a stack restore system. This system can greatly improve the work efficiency of operation personnel since they can locate and analyze errors from printed stack information more easily.	
<ul style="list-style-type: none">• Write Python script grabs stack information from micro-service terminal, analyzes and obtains relevant mapping files. Also, develop a Shell version to adapt various platforms.• Use SpringBoot + MyBatis to build an HTTP file server to store symbol files and provide an FTP interface for the micro-service compiler to transfer symbol files. All files information and locations are saved in the MySQL database.• Use Vue.js + Element-UI to write web interface, supports users in viewing debugging files details, mixed search, detailed search, uploading custom files, deleting custom files, downloading Python and Shell script functions.	

PROJECTS

Library Management System	2019.12 - 2020.02
The system realized the operation of user registration, login, adding new books, borrowing books and returning books, authority authentication, and so on.	
<ul style="list-style-type: none">• This system is based on SpringBoot + MyBatis, with MySQL as the database.• Using the interceptor and cookie for authority authentication to realize secret free login.	
Autodrive GTA5	2019.10 - 2019.12
This project made the vehicle able to drive along the highway and safely make turns at very high speed in GTA5.	
<ul style="list-style-type: none">• Train an End to End model (ResNet34 + LSTM) to automatically drive a vehicle in GTA5.• Use a pre-trained model based on real-life datasets named cityscape for ResNet34. This model can be well applied to the GTA5 scene, it can correctly distinguish lanes, sidewalks, pedestrians, and buildings.	