FAN WENJIE

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Education

Technical University of Denmark	**Feb. 2021 – Now**
Master of Science in Computer Science and Engineering	*Lyngby, Denmark*

Nanjing Institute of Technology	**Sep. 2016 – Jun. 2020**
Bachelor of Engineering in Software Engineering(GPA:4.11/5, Ranking:2nd/207)	*Nanjing, China(Mainland)*

Core Coursework

- Data Structures & Algorithm (88%)
- JAVA Fundamentals(99%)
- Big Data and Application(95%)
- Database Principle (87%)
- Android Development(90%)
- Requirement Engineering(92%)

Working&Intern Experience

Pamier Data, Inc	**Jun. 2020 – Dec. 2020**
JAVA Development Engineer(Full-time)	*Suzhou, China(mainland)*

- Responsible for data migration between platforms with *nifi* and *kafka* and rebuilt some *nifi* components with JAVA.
- Responsible for the development and maintenance of the background of the data monitoring platform.

Fujitsu Nanda Software Technology Co., Ltd	**Mar. 2020 – Jun. 2020**
Software Engineer(Intern)	*Nanjing, China(mainland)*

- Assisted in development of the Data cleaning, statistics of traffic data(especially subway flow) with Python,Java,R.
- Assisted in development of the background of a wechat applet(similar to Instant Apps but more popular in China).

Nanjing Research Institute, SAMSUNG Electronics (China) R&D Centre	**Nov. 2018 – Jan. 2019**
Software(Tizen) Engineer (Intern)	*Nanjing, China(mainland)*

- Assisted in development of the function of *message* for Tizen smart watch with c++ and JavaScript.

Projects

Analysis and Visualization of Copenhagen Parking Data | *Python,JavaScript*	**May. 2021**

- Crawled the whole geo data of Copenhagen about different types of locations from Google Map.
- Created more readable and interesting visualizations, deployed them to a web page and analysed data with ML models.

Driving Assistance System(graduation paper) | *Python,C++,raspberry pi(hardware),Debian*	**Nov. 2019 -Apr. 2020**

- Combined the image recognition and multi-sensor confusion to detect the type of obstacle more precisely.
- Chose raspberry pi 4B+ to control the toy car remotely. The system could detected danger actions and took different actions automatically according to the warning level evaluated.
- Two editions. One is the computing module(simplified) is installed on the car directly with lower precision. The other is with higher precision by computing remotely but can not avoid the negative effects from Internet.

"KAKA Planet" WeChat Applet | *Java(SpringMVC), JavaScript,SQL,CentOS,Docker,Redis*	**Aug. 2019 - Nov. 2019**

- A common app used especially for NJU students to punch and share their life.
- Developed and deployed the backend to AliCloud, designed and developed part of the database with MySql.

'AIIA' AI Cup Contest - Subway Passenger Volume Prediction | *Java, Python,R*	**Jun. 2019-Jul. 2019**

- Wrote a program with JAVA to connect all teammates' computers to compute with 52GB data parallel.
- Chose ARIMA and PROPHET to predict data according to the time series.

Related Skills

Developing Skills: Java(Prefer), Python(Prefer), SQL, C/C++, HTML/CSS, JavaScript,R

Other Skills:Linux(familiar with backend deployment and common using), Git,SVN, embedded development(basic) , Office(familiar), Markdown(Prefer)

Leadership / Extracurricular

Position	**Autumn 2016 – Spring 2020**
Monitor	*Class of Software Engineering,NJIT*

- Responsible for helping classmates and teachers communicate better and providing help to classmates who have difficulties in study and life .