YANKUN SHEN

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EDUCATION

University of Washington *Present – Jun. 2021*
Degree: Master of Science in Computer Science GPA: 3.88

Taiyuan University of Technology *Sep. 2015 – July. 2019*
Degree: Bachelor of Engineering in Computer Science GPA: 3.90

TECHNICAL STRENGTHS

C++, STL, Java, RESTful API, MySQL, Hadoop, ASP.NET, JavaScript, ReactJS, Android

PROFESSIONAL EXPERIENCE

Amazon Web Services *Jun. 2020 – Sep. 2020*
Intern at AWS RedShift team

PROJECT EXPERIENCE

NASA Space Apps Hackathon , Seattle *Oct.2019*
- Developed a visualization project demonstrating the changes of the sea level along with other environmental parameters from 1993 to 2019 obtained from NASA open data portal.
- Used ReactJS, Ant Design, Bootstrap and ChartJS to dynamically show the connection between different parameters and illustrate the general trend during those years.

Parallel Implementation of Statistics of Keywords on Hadoop *Apr.2019 – Jun.2019*
Advisor: Prof. Deng, CS department, Taiyuan University of Technology
- Undergraduate Graduation Project aiming to keep track of the trending words on the social media and search engines that could be useful for the authorities.
- The data was first processed on a single-CPU computer, then the same data was processed on the platform of Hadoop that significantly reduced the processing time, around 80% time.
- The larger the size of data is, the more obvious the time difference is.

Android Game: Mobile Tug of War *Nov. 2018 - Dec. 2018*
Advisor: Prof. Lan, CS department, Taiyuan University of Technology
- Developed an **Android** smartphone game using built-in Gravity Accelerator Sensor.
- The system includes **server** and **client**. The client needs to collect data from the sensor and send the data to the server. Meanwhile, it needs to receive the data from server and visualize the data in real time. The server processes the data and send the data to the client.

Smart-Home System *Nov. 2017- Dec. 2017*
- Led a team of three to develop a smart-home system based on cc2530 and ZigBee protocol stack
- This system used ZigBee wireless technology to build home internal network and collect a variety of sensors to monitor temperature and humidity and detect lighting and smoke
- Various signals collected by a few end-nodes were delivered to the main control module