Ziao Guo

software engineer at Elementum SCM
San Francisco Bay Area

Summary

I have studied in Software Engineering for 7 years, with my Master degree and Peking University and my Bachelor degree at Huazhong University of Science and Technology. I have internship experience in Lenovo Beijing Research Lab and Tsinghua Online Class Lab. Currently worked as a research assistance at ITU. I love software and skilled in coding, actively seeking full-time SDE position.

Experience

Google
SWE
February 2019 - Present
svl

Elementum SCM
software engineer
September 2017 - Present
Mountain View, California

* Developed Data ETL Pipeline to process supply chain related data.
- Designed and Implemented the Spark batch job which ingest raw data from AWS S3, then processed and store result in HBase.
- Maintained Spark stream job which process newly received data from Kafka in real time and improved

performance with dynamic auto scaling.
- Used ElasticSearch to build data serving layer to help customer search and understand data better.
- Designed and Implemented Airflow jobs which coordinate with AWS to trigger and maintain spark jobs.
- Used Junit, Mockito, powermockito to write unit test. Implemented integration test.

International Technological University (ITU)
Research Assistant
January 2016 - Present

San Francisco Bay Area

 * Developed an Android APP that receives message from sensors and stores data on cloud.
- Used BLE(Bluetooth Low Energy) to connect multiple sensors, analyzed data based on different formats.
- Integrated machine learning algorithm to determine user's gesture based on accelerator data.
- Classified data and published them correspondingly to Amazon Cloud using MQTT protocol.
- Subscribed the latest data from cloud and displayed it on Android phone.

Lenovo
Research Assistant
August 2015 - December 2015 (5 months)
Beijing City, China

Worked as a Research Assistant at Lenovo Beijing Research Lab, mainly focused on Android Framework enhancement, including:
- Maintained an Android PAD input editor, debugged and triaged reported issues, and assigned the
bugs to the responsible team.
- Enhanced the Android 4.3 Framework to support multi-windows.
- Based on multi-windows feature, added the feature to cast selected window to external screen.
- Designed test cases based on different use cases, and conducted manual testing.

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Education

Peking University
Master's degree, Computer Software Engineering · (2014 - 2017)

International Technological University (ITU)
Master's degree, Computer Engineering · (2016 - 2017)

Huazhong University of Science and Technology
Bachelor's degree, Computer Software Engineering · (2010 - 2014)