Xing Wu

Work Experience

LinkedIn   Mountain View, CA

Sr. Manager, Machine Learning   **Dec 2019 - Current**

Lead 2 Data Standardization teams with 12 employees and 8 contractors. Responsible for the standardization of ingested jobs and locations across LinkedIn economic graph.

— Provide **Online** (RESTful API, Search endpoints), **Nearline** (Kafka events of data updates), and **Offline** (HDFS, Feature Store) **data products** to other application/AI teams. E.g., we built a classification model to predict the remoteness of raw external jobs and create a workplaceType field in our output.
— Improved Job-to-Company and Job-to-Location models, drove **4.5% lift** for the true north metric of LinkedIn Talent Solutions.
— Led technical initiatives to improve modeling productivity by **3X in 2 quarters** by 1) refactoring feature/embeddings flow; 2) unifying online/offline logic; 3) adopting model deployment framework.

Staff Software Engineer   **Jun 2015 - Nov 2019**

— Designed and implemented backend of the knowledge base management system, key components include **taxonomy APIs** and **a distributed DAG workflow framework** for automated data publishing.
— Optimized the online serving of the company standardizer model, reduce p99 latency from **1+ seconds** to **80ms**.

Ericsson   Ottawa, Canada

Research Intern   **Aug 2014 – Dec 2014**

— Designed a data analytics platform to collect live data from base stations across North America, built and demoed a prototype including data ETL with Flume, Hadoop/Hive, Spark Streaming, and a real-time web dashboard using Node.js/Socket.io.

Tencent   Shenzhen, China

Research Intern   **Jul 2010 – Jun 2013**

— Designed and developed the first generation of the app recommendation system for Qzone (the largest social network in China), which increased the click-through rate by 170%.
— Developed backend for web games, web services using C++, serving over 600 million users with 50K QPS.

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Summary

Leading a mixture of ML/infra engineers and taxonomists in LinkedIn AI to build end-to-end solutions for data standardization, our work includes knowledge graph, machine learning models, data pipelines/governance, search products, etc. I believe ML engineering is still at early stage and has a great potential, I am seeking for **leadership roles in ML infra** to accerlerate the engineering process of AI applications.

Skills

- Extensive experience building scalable **machine learning systems** and **data products**
- **3 years** of experience in growing and leading engineering teams
- Solid programming skills in Java, C/C++, JavaScript, Python, etc.
- **10 years** veteran in **big data** working with Hadoop, Spark, etc.

Education

2015 2013	**Master of Engineering** Electrical and Computer Engineering *Concordia University, Canada*
2010 2004	**Bachelor & Master Degree** Computer Science and Technology *Wuhan University, China*

Publications

Wu, X., & Liu, Y. (2014, March). Enabling a load adaptive distributed stream processing platform on synchronized clusters. In *2014 IEEE International Conference on Cloud Engineering* (pp. 627-630). IEEE.

Wu, X., & Liu, Y. (2014, June). Optimization of load adaptive distributed stream processing services. In *2014 IEEE International Conference on Services Computing* (pp. 504-511). IEEE.