Yang Li

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Product-driven software engineer who designs and builds high quality and performance backend service with extremely large scale data. Have multiple years of backend and iOS development experience and proficient in C++, Python and Swift. Processed a track record of delivering products with a specialization in CI pipeline setup to ensure reliable delivery.

Experience

Google — Los Angeles, CA
Software Engineer — *10/2021 - present*

- Designed and implemented scalable backend infrastructure to scale the current manual process.
- Experimented with products as a self service measurement product to the advertisers.
- Developed end-to-end integration tests to validate the pipeline and data accuracy.
- Monitored overall performance and health of the backend systems and problem solved issues with design.
- Managed large scale data engineering and analysis for different Google projects.

Tapad — New York, NY
Software Engineer Intern — *06/2020 - 08/2020*

- Generated unique ID using LSH algorithm to keep cluster identification consistent in weekly device graph.
- Added Scala to StringTemplate4, an open-source template engine for generating formatted text output.
- Combined StringTemplate and LSH to Spark job and Apache Airflow, built and ran end-to-end test.

University of Oxford — Oxford, UK
Research Assistant — *01/2019 - 09/2019*

- Built a face and speech recognition system with surveillance cameras and microphones.
- Developed a method using WiFi appearance information to label images and audio automatically in the wild.
- Designed and implemented a pipeline framework to label captured images and fine-tune the model.

Morgan Stanley — Shanghai, CN
Software Engineer Intern — *06/2018 - 01/2019*

- Applied machine learning algorithms (NLP, One-Class SVM) to detect malicious commands in Linux.
- Used Go and Docker to refactor the original policy agent into a new container-packaged, dynamically-scheduled and microservices-oriented version in Technology Access Management.

Skills

- **Programming Languages:** Python, C++, Java, Go, Scala, Swift, HTML, CSS, JavaScript
- **Development:** Backend, Docker, SQL, CI/CD, iOS, Airflow, Hadoop, Spark, BigQuery
- **Others:** LaTeX, Bash, Linux/macOS, Git, Vim, metaprogramming

Education

New York University — New York, NY
M.S. in Computer Engineering — *09/2019 - 05/2021*

Tongji University — Shanghai, CN
B.Eng. in Software Engineering — *09/2014 - 07/2019*

Publications

Chris Xiaoxuan Lu, **Yang Li**, Yuanbo Xiangli, and Zhengxiong Li. Nowhere to Hide: Cross-modal Identity Leakage between Biometrics and Devices. In *The Web Conference* (*WWW*), 2020.