Xinli Jia

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Education

- **Columbia University** — New York, U.S.
  Master of Science in Electrical Engineering and Computer Science — *Sept 2016 - Dec 2017*
- **Shanghai Jiao Tong University** — Shanghai, China
  Bachelor of Science in Electrical and Computer Engineering — *Sept 2012 - June 2016*

Skills

- **Programming Languages:** Python • Go • Java • Bash • SQL

- **Cloud:** AWS • Microsoft Azure • GCP

- **Database & Data Warehouse:** MongoDB • PostgreSQL • Citus • Redshift

- **Other:** Git • Kubernetes • Docker • Jenkins

Experience

- **Clarifai Inc.** — New York, NY
  Backend Engineer — *Oct 2018 - Present*
  - Azure On-prem project
    - Deployed on-prem platform to **Azure** with most features of Clarifai's platform.
    - Deployed api services, database and monitors(EFK, Datadog); Transferred data of customer to on-prem platform.
    - Designed and implemented license, encryption and code obfuscation.
    - Compiled binary **Python** services and tests by Nuitka; Created pipeline jobs on Jenkins.
  - Implemented Model Fetching service
    - Implemented **Golang** api endpoint with Redis cache.
    - Configured and deployed Kubernetes containers.
    - Implemented GRPC server and clients.
    - Implemented **Python** services that transform and export models in different formats.
  - Implemented SDK Billing service
    - Implemented **Golang** api endpoints that collect logs and pipeline to S3 and Redshift.
    - Migrated Redshift & Postgres database by Goose.
    - Configured and deployed **Kubernetes** containers.
  - Platform ops
    - Monitored and troubleshot platform issues.
    - Fixed build bugs and implemented new features on Jenkins.

- **Huawei Technologies** — Santa Clara, CA
  Software Engineer — *May 2018 - Oct 2018*
  - Designed and implemented the backend of an online **Python** debugger which supports local and remote debugging and switching on different virtual environments.
  - Integrated the debugger into an event-driven system with message queue, **MongoDB**, **PostgreSQL** and **REST** API by **Flask**, which allow the debugger to transfer commands with user-interface of different users.
  - Implemented **Kafka** consumer and producer which support ETL and data pipeline process.

- **Bankrate, Inc** — New York, NY
  Software Engineer Intern — *June 2017 - Dec 2017*
  - Documented and redesigned ETL packages that connect among SQL server, AWS S3, Snowflake and Wordsmith. Implemented them as cloud apps with monitoring system such as **Datadog** and **Rollbar** .
  - Implemented an **AWS Lambda** function in **Python** and **Go** which daily updated data on SQL server as consumer for **AWS Kinesis Stream** and monitor possible alerts.
  - Built an **AWS Lambda** function in **Python** to export daily **Big Query** data as JSON into **Google Cloud Storage**.