

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 Clarifai's platform to **Azure** with most features of main platform.
 - Deployed api services, database and monitors(EFK, Datadog).
 - Designed and implemented license, encryption and code obfuscation.
 - Compiled binary **Python** services and tests by Nuitka; Created pipeline jobs on Jenkins.
 - Transferred data of customer to the on-prem platform.
 - 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**.