

GUANG YANG

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EXPERIENCE

Lumos AI, San Francisco, CA

Founder

Jan 2020 – Present

Lumos is a cost observability platform that helps companies use cloud infrastructure more efficiently.

- Signed a \$2B unicorn as a design partner
- Architected, built and delivered MVP that processes TBs of data from various sources, leveraging Spark, Kubernetes, Superset and AWS
- Incubated by the Insight Founders Program

Mythic, Redwood City, CA

Senior Deep Learning Engineer

Sep 2018 – Jan 2020

Mythic is creating first-of-its-kind mixed signal chip to speed up neural network inference on the edge. As part of the software team:

- Developed quantization library for users to model and mitigate hardware effects during model training
- Improved in-house Single Shot Multibox Detector (SSD) in Keras/Python customized for our hardware
- Built a large labeled video dataset (>5M annotations) by creating specs, working with contractors, and setting up data ingestion/processing
- Drove adoption of DevOps best practices, such as containerization and CI

Komodo Health, San Francisco, CA

Data Engineer

Mar 2015 – May 2017

As employee #3, I have had the opportunity to add value in different parts of the engineering stack, from scratch:

- Designed and implemented distributed (Spark, S3) and automated (Airflow) data pipelines that process multiple external data sources to deliver mission-critical insights to end-users
- Led implementation of internal services (containerized Flask APIs deployed on Kubernetes) that improve transparency (domain-knowledge driven data metrics tracking) and automation (config and metadata tracking)
- Built and maintained the data infrastructure (AWS, Spark, Airflow, internal services) that supports the data team (13+ devs), leveraging containers (Kubernetes, Docker)
- Worked with architect and product managers to define requirements and roadmap for scalability of data deployment, data ingestion and internal tooling.

TECHNICAL

- *Languages*: Python, SQL, shell
- *Frameworks*: Spark, Airflow, Postgres, Flask, etcd, Keras, Tensorflow
- *Infrastructure*: AWS (architecture, networking), Kubernetes, Docker

EDUCATION

University of California, Berkeley, Berkeley, CA

M.S. in Industrial Engineering & Operations Research

Dec 2014

- Awarded UC Berkeley Graduate Fellowship
- **Published research results in IEEE CASE 2014 Conference**

Rice University, Houston, TX

B.A. in Computational and Applied Mathematics (CAAM)

May 2013

- Awarded CAAM-Chevron Undergraduate Research Prize