

GUANG YANG

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EXPERIENCE

INSIGHT DATA SCIENCE, Palo Alto, CA

Artificial Intelligence Fellow

Jun 2018 – Present

- Building an end-to-end system that changes the style of the input voice data using neural networks and AWS

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 support the data team (13+ developers), leveraging container technologies (Kubernetes, Docker)
- Worked with architect and product managers to define requirements and roadmap for scalability of data deployment, data ingestion and internal tooling.

INSIGHT DATA SCIENCE, Palo Alto, CA

Data Engineering Fellow

Jan 2015 – Mar 2015

- Built a data pipeline for map analytics in Starcraft II[®] using replay files.
- Leveraged distributed data tools, such as Kafka, Spark Cassandra, and Hadoop ecosystem tools.

BERKELEY COMPUTATIONAL OPTIMIZATION LAB, Berkeley, CA

Graduate Student Researcher

Aug 2013 – May 2014

- Formulated and implemented an algorithm to analyze exact reachability for skew-line needle planning in automated brachytherapy
- Published results in an article for the IEEE CASE 2014 Conference

TECHNICAL

- *Languages*: Python, SQL, shell
- *Frameworks*: Spark, Airflow, Postgres, Flask, etcd
- *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

RICE UNIVERSITY, Houston, TX

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

May 2013

- Awarded CAAM-Chevron Undergraduate Research Prize