

GUANG YANG

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- EXPERIENCE**
- INSIGHT DATA SCIENCE**, Palo Alto, CA
Artificial Intelligence Fellow Jun 2018 – Present
- 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)
 - Deployed 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.**
 - Gained experience in large scale distributed data architectures through training, mentorship and projects using 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