

GUANG YANG

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San Mateo, CA

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EXPERIENCE

Komodo Health, San Francisco, CA

Data Engineer

Mar 2015 – Present

- [derpdepr](#) herp
- derp derp mentorship and projects using Kafka, Spark, Cassandra, and Hadoop ecosystem tools.

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](#)

NATIONAL INSTITUTE FOR MATHEMATICAL AND BIOLOGICAL SYNTHESIS,
Knoxville, TN

NSF, Research Experience for Undergraduates

Jun – Aug 2010

- Built a model in R to simulate the dynamics of Johne's Disease in a U.S. dairy herd. Performed cost analysis comparing existing control strategies and a newly developed testing method
- [Published results in a paper for Journal of Biological Systems](#)

TECHNICAL

- *Languages*: Python, Golang, SQL, shell
- *Frameworks*: Spark, Airflow, Postgres, Flask
- *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
- Research published 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 2013
- Research published in Journal of Biological Systems 21, no. 04, 2013.