

# Angela Zhu

Engineering Manager at Airbnb

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## Summary

Most recently:

Multi-years of software development and architecture in payments and search infrastructure using Rails, Java, Scala, C/C++, JavaScript, Python.

In the Past:

Programming

- Designed and implemented multiple software packages for molecular network data analysis.
- Designed and implemented a programming language “Acumen” that was used in teaching and research for prototyping cyber-physical systems at Rice & University of Houston

Data Analytics

- First-hand experience in analyzing molecular network data and oilfield equipment logs
- Used several machine learning algorithms in research projects

Math and Logics

- Completed over 20 courses on math, statistics, logics and theory of computation related

Research & Technical Communications

- Broad research experience in bioinformatics, computer theory, programming language, physical systems modeling, formal modeling and verification, and embedded systems
  - 19 peer-reviewed publications
  - Effectively deliver multiple talks and posters to audience with diverse backgrounds
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## Experience

**Engineering Manager at Airbnb**

June 2017 - Present

**Staff Engineer at Airbnb**

December 2016 - June 2017 (7 months)

**Senior Software Engineer at Airbnb**

April 2015 - November 2016 (1 year 8 months)

All about Payments, Tech Lead.

## **Software Engineer at Square**

April 2013 - April 2015 (2 years 1 month)

- Square Store Payments (15 months, Ruby)
- Square Market Search Infrastructure (9 months, Java)

## **PHD in Computer Science at Rice University**

October 2010 - April 2014 (3 years 7 months)

- Obtained and cleaned genomic data from various data sources, designed algorithm to extract and understand their interplay relationship on protein network evolution
- Lead developer of a software tool for network evolutionary analysis of molecular interaction networks in Python/C++
- Lead developer of a simulation tool for genome and molecular interaction network evolution with population genetics

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## **Education**

### **Rice University**

Ph.D., Computer Science - Bioinformatics, 2010 - 2013

### **University of Science and Technology of China**

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[Contact Angela on LinkedIn](#)