# Sifei Luan

*curriculum vitæ*

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## Education

2019–now **University of California, Berkeley**.
Ph.D. in Computer Science.

2013–2017 **The University of Chicago**.
B.S. in Computer Science and B.A. in Statistics. Dean's List. GPA 3.8.

## Publications

2019 Sifei Luan, Di Yang, Celeste Barnaby, Koushik Sen, and Satish Chandra. *Aroma: Code Recommendation via Structural Code Search.* Proc. ACM Program. Lang. 3, OOPSLA, Article 152. **ACM SIGPLAN Distinguished Paper Award.**

2018 Saksham Sachdev, Hongyu Li, Sifei Luan, Seohyun Kim, Koushik Sen, and Satish Chandra. *Retrieval on Source Code: A Neural Code Search.* In Proceedings of the 2nd ACM SIGPLAN International Workshop on Machine Learning and Programming Languages (MAPL 2018).

## Experience

### Industry

2017–2019 **Facebook**. Menlo Park, CA. Software Engineer.
Worked in the Big Code team and developed tools including natural language code search, code recommendation, and smart code completion.

2016–2016 **Facebook**. Menlo Park, CA. Software Engineering Intern.
Worked in the Pages iOS team and contributed multiple features totaling 20 KLOC.

### Entrepreneurship

2014–2015 **SketchMe**. Menlo Park, CA. Co-founder and CTO.
Co-founded a social app company, managed a team of 5 developers and designers, and raised $1.5M seed funding.

### Research

2019–now **University of California, Berkeley**. Graduate Student Researcher.
Worked in research projects on machine learning and systems in the RISELab.

2015–2016 **The University of Chicago Booth School of Business**. Researcher Assistant.
Created a web crawling and data analytics pipeline for labor economics research using large-scale LinkedIn data.

## Awards

2016 **Midwest Trading Competition**, *First Place*. The University of Chicago.
Developed automated trading algorithms for cross-listed stocks, algorithmic S&T, options
market-making, and achieved best P&L.

2014 **International Collegiate Programming Contest**, *Regional Finalist*. ACM.
Mid-central USA Regional Contest Finalist.

## Skills

- **Programming languages** (industry experience):
  C++, JavaScript, Objective-C, OCaml, Python, Ruby, SQL
- **Programming languages** (familiar):
  Bash, C#, Elm, Go, Haskell, Java, R, Racket/Scheme, Rust, Swift, Scala
- **Languages**:
  English, Chinese