Jingkang Zhang

CS at UC Berkeley

🎓 Education

2018-06 - 2021-05

University of California, Berkeley

B.A., Computer Science (3.76) and English (3.85) (Minor)

💼 Work Experience

2020-06 - 2020-10

Amazon

Software Development Engineer Intern

Worked on *Audible Financial Systems* team; **full-stack web dev**.
Created an event management console. Used extensively by On-call Engineers and Business team to track their monthly work routines.
Java, AWS Lambda, DynamoDB, React, and Amazon internal tools.

2020-05 - 2020-07

Tencent Keen Lab

Remote Research Participant

Researched on Vulnerability Detection System for Binary Executables via **Static Analysis**. Forked Ghidra, a reverse engineering framework.
Implemented strided-interval arithmetic in **Java** for static analysis. Cert.

2019-05 - 2019-08

ByteDance

Software Engineering Intern

Worked on *Toutiao* dev team, with a focus on **front-end web dev**.
• CRM platform and user dashboard with **React, TypeScript**
• Data scraping with **Node.js**.
Internship Report: **https://jingkangzhang.com/report.pdf**

2018-06 - 2019-05

Teaching Python Online

Instructor

https://jingkangzhang.com/teaching
• Developed 2 coding projects. Available on my GitHub.

</> Selected Projects

2018-06 - present

auto-auto-grader (autoAG)

Web app built for CS educators.
• Intuitive interface to compose coding homework
• Automatically generates exportable homework and autograder files
• One-click publishing homework; student submissions graded online
http://jingkangzhang.github.io/autoAG
(React, Python, Node.js, AWS Lambda, S3, DynamoDB)

2019-04 - present

JingkangZhang.com

• 3D model rendering in web browsers.
• Page animations on scroll with ScrollMagic (/writings)
https://jingkangzhang.com

2016-10 - 2018-06

CollegeFork.com

www.collegefork.com, A US university information website.
Notable Page: **https://collegefork.com/match/filter.html**

👤 Personal Info

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E-mail

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WWW

jingkangzhang.com

GitHub

https://github.com/JingkangZhang

🤝 Skills

Python

ES6+, TypeScript, React

AWS Lambda, S3, DynamoDB, etc

CSS, LESS, Bootstrap, etc

Java

Git

Go

C

Sonnets

RISC-V

💡 Courses

Data Structures

Programming Abstractions

Client-side Internet Technologies

Structure and Interpretation of Computer Programs

Machine Architecture

Discrete Math and Probability

Algorithms

Intro to Artificial Intelligence

Operating Systems

Shakespeare

Internet Architecture

Computer Security

Compilers

Databases