



Jingkang Zhang

CS & English at UC Berkeley



Education

2018-06 -
2021-05

University of California, Berkeley

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



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.

<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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WWW

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GitHub

<https://github.com/JingkangZhang>



Skills

Python

JavaScript, TypeScript, React (Hooks)

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*

*: on-going