



# Jingkang Zhang

CS at UC Berkeley



## Education

- 2018-06 - 2021-05 • **University of California, Berkeley**  
B.A., Computer Science and English (Minor); GPA: 3.71



## 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](http://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](http://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