

Tom Zheng

SOFTWARE ENGINEER

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Education

University of California, Berkeley

Berkeley, CA

B.A. IN COMPUTER SCIENCE AND B.A IN ECONOMICS

Aug. 2019 - Present

- Relevant Coursework: CS61A: Structure and Interpretation of Computer Programs – CS61B: Data Structures – CS61C: Great Ideas of Computer Architecture – CS70: Discrete Math and Probability – CS170: Efficient Algorithms and Intractable Problems – CS186: Introduction to Database Systems – CS161: Computer Security – CS162: Operating Systems and System Programming – EECS 16A: Designing Information Devices and Systems I – EECS 16B: Designing Information Devices and Systems II

Work Experience

Coinbase

San Francisco, CA

INCOMING SOFTWARE ENGINEER INTERN

Aug. 2022 - Dec. 2022

- Fall 2022

Capital One

San Francisco, CA

SOFTWARE ENGINEER INTERN

Jun. 2022 - Present

- Summer 2022
- Digital Commerce Team (The Lab)

OverCOME Mentors

Remote

TECHNICAL DIRECTOR

Apr. 2022 - Present

- Assist with design and development of website and mobile app.

Kumon

Fairfield, CA

TUTOR

Aug. 2018 - Apr. 2019

- Tutored middle and high school students in reading and mathematics.

Tutor

Fairfield, CA

YUP

Nov. 2017 - Feb. 2018

- Tutored high school and college students in AP Calculus AB and BC.

Projects

Memora

NextJS, NodeJS, MySQL, MongoDB

- A cognitive game platform that converts user game scores into MMSE scores
- Intended to monitor and slow the progression of Alzheimer's Disease. Created for HackDavis.

<https://memora-zeta.vercel.app/>

4Pix

ReactJS, NodeJS, MySQL, SASS

- An image hosting site for sellers to share photos of their products and expand their business.
- Allows sellers to divide their albums into different categories for easier browsing.

<https://github.com/tomzheng2001/4Pix>

GodSend

ReactJS, GraphQL, MySQL, Apollo

- An real time messaging app that supports chatting with all registered users
- Used GraphQL subscriptions to achieve real time functionality

<https://bit.ly/3x394uG/>

Portfolio Website

ReactJS, SASS

- A responsive portfolio website that showcases a variety of projects, coursework, along with information about me.
- Styled in pure CSS without any CSS frameworks (only SASS preprocessor)

<https://tomzheng.me/>

RookieDB

Java

- A full database implementation written for CS186
- Supports joins, B+ Trees, query optimization, concurrency, and recovery.

<https://git.io/J1EWL>

Gitlet

Java

- A version control system similar to git written for CS61B
- Supports ommits, checkouts, logs, branches, and merging.

<https://github.com/tomzheng2001/gitlet>

Skills

Programming Languages

Java, Python, JavaScript, TypeScript, HTML, SQL, CSS, GraphQL, C++, C, C#, Swift, Go

Frameworks/Databases

ReactJS, NodeJS, NextJS, MySQL, MongoDB, PostgreSQL, Bootstrap, TailwindCSS

Other

Figma, Unity, Google Cloud, Amazon AWS, Microsoft Azure