

Tom Zheng

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Education

UC Berkeley

BS IN COMPUTER SCIENCE, ECONOMICS

Berkeley, CA

Sep 2019 – Jun 2023

Relevant Coursework

Technical GPA: 3.675/4.0

- 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
- CS W186: Introduction to Database Systems
- EECS 16A: Designing Information Devices and Systems I
- EECS 16B: Designing Information Devices and Systems II

Work

Yup

TUTOR

- AP Calculus BC Tutor

Online

November 2017 – February 2018

Kumon

TUTOR

- Reading and Mathematics Tutor

Fairfield, CA

August 2018 – April 2019

Projects

4Pix

AN IMAGE HOSTING SITE FOR SELLERS TO SHARE PHOTOS OF THEIR PRODUCTS AND EXPAND THEIR BUSINESS. IT ALLOWS SELLERS TO DIVIDE THEIR ALBUMS INTO DIFFERENT CATEGORIES FOR EASIER BROWSING AND ALLOWS THE SELLER TO MANAGE THEIR CATEGORIES AND PAGE VIEWS.

ReactJS, NodeJS, MySQL, SASS

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

E-commerce Site/Template

A FULL STACK ECOMMERCE WEBSITE/TEMPLATE WITH FUNCTIONALITIES FOR CHECKOUT, ADDING TO CART, SEARCHING AND SORTING ITEMS, MANAGING ITEMS, PAYMENT SYSTEM, AND MORE. BUILT USING MERN STACK.

ReactJS, NodeJS, MongoDB, CSS, Bootstrap

<https://git.io/J1Eco>

RookieDB

A DATABASE IMPLEMENTATION WRITTEN FOR CS W186 (INTRODUCTION TO DATABASE SYSTEMS) THAT SUPPORTS JOINS, B+ TREES, QUERY OPTIMIZATION, CONCURRENCY, AND RECOVERY.

Java

<https://git.io/J1EwL>

Gitlet

A VERSION CONTROL SYSTEM SIMILAR TO GIT WRITTEN FOR CS61B (DATA STRUCTURES) THAT SUPPORTS COMMITS, CHECKOUTS, LOGS, BRANCHES, AND MERGING.

Java

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

Activities/Extracurriculars

Pioneers In Engineering, CS61A Tutor for CS370, Cal Hacks 8.0, Berkeley Game Design And Development

Skills

Programming Languages: Java, Python, Javascript, HTML, SQL, CSS3, SASS, GraphQL, C, C, Swift

Frameworks/Databases: ReactJS, NodeJS, NextJS, MySQL, MongoDB, PostgreSQL, Bootstrap, TailwindCSS

Other: Figma, Unity, Google Cloud, TwitterAPI, Microsoft Azure, Amazon AWS