Tom **Zheng**

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Education

UC Berkeley *Berkeley, CA*
BA IN COMPUTER SCIENCE, BA IN ECONOMICS *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 *Online*
TUTOR *November 2017 – February 2018*
- AP Calculus BC Tutor

Kumon *Fairfield, CA*
TUTOR *August 2018 – April 2019*
- Reading and Mathematics Tutor

Projects

4Pix *ReactJS, NodeJS, MySQL, SASS*

AN IMAGE HOSTING SITE FOR SELLERS TO SHARE PHOTOS OF THEIR PRODUCTS AND EXPAND THEIR BUSINESS. IT *https://github.com/tomzheng2001/4Pix*
ALLOWS SELLERS TO DIVIDE THEIR ALBUMS INTO DIFFERENT CATEGORIES FOR EASIER BROWSING AND ALLOWS THE
SELLER TO MANAGE THEIR CATEGORIES AND PAGE VIEWS.

E-commerce Site/Template *ReactJS, NodeJS, MongoDB, CSS, Bootstrap*

A FULL STACK ECOMMERCE WEBSITE/TEMPLATE WITH FUNCTIONALITIES FOR CHECKOUT, ADDING TO CART, *https://git.io/J1Eco*
SEARCHING AND SORTING ITEMS, MANAGING ITEMS, PAYMENT SYSTEM, AND MORE. BUILT USING MERN STACK.

RookieDB *Java*

A DATABASE IMPLEMENTATION WRITTEN FOR CS W186 (INTRODUCTION TO DATABASE SYSTEMS) THAT SUPPORTS *https://git.io/J1EwL*
JOINS, B+ TREES, QUERY OPTIMIZATION, CONCURRENCY, AND RECOVERY.

Gitlet *Java*

A VERSION CONTROL SYSTEM SIMILAR TO GIT WRITTEN FOR CS61B (DATA STRUCTURES) THAT SUPPORTS COMMITS, *https://github.com/tomzheng2001/gitlet*
CHECKOUTS, LOGS, BRANCHES, AND MERGING.

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