

# Tony Ding

Software Engineer/Data Analyst

Member of UPE and TauBetaPi @UCLA

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[Personal Website](#)

[My LinkedIn](#)

## EDUCATION

**University of California, Los Angeles (UCLA)** — *B.S. Computer Science*

Expected-June, 2023

All GPAs: 4.0/4.0      SAT: 1550

Relevant coursework:

CS 97 Software Development	CS 143 Database Systems
CS 111 Operating System Principles	CS 180 Algorithms and Complexity
CS 31/32 C++ Programming	CS M51a Logical Circuit Design

## PROJECT

**Music Recommendation System**

April, 2021-Current

- Hadoop Spark Yarn HDFS
- Deep Learning
- NoSQL Hive Hbase
- Flume Kafka

**Full Stack Web App: Bring fitness center online.**

Oct, 2020 - Dec, 2020

- Next.js, Javascript, React.
- **Mongodb + REST** Api
- Features:
  1. Real-time equipment availability/historical data search/user exercise time rank
  2. User login/logout and navigation between all pages.
  3. Occupy equipment/Give likes to users.
  4. Personal weekly exercise plans.

**Delivery System:**

Oct, 2019-Dec, 2019

- **Hash** street segments and **navigate** (C++)
- **Algorithms:**
  1. **A\* /Backtracking (Depth first search)** to find route
  2. **Simulated Annealing** to optimize route

## EXPERIENCE

**University of California, Los Angeles — On campus IT support**

Oct, 2019 – March, 2020

- IT service @ UCLA Graduate Division IT group
- Server configuration/diagnostics.
- Hardware and system diagnose/configuration (XP, Vista, Win 7, 10, Linux, etc.)

**Sias University — Student Software developer in a Client Project**

June, 2019 - Aug, 2019

- Database CRUD operation (Java, MySQL)
- Sketched logic diagram for the project to visualize overall process.

## SKILLS

**Database:** MySQL, MongoDB

**Software Development:** React

**Languages:** C++, Java, Python, HTML/CSS, JavaScript

## LEADERSHIPS

**International Student Representative (ISR), USAC**

Oct, 2019 – Dec, 2019

**Position:** Internship

**Responsibilities/Goals:** Seek resource for international students in UC colleges

**Scientific Enlightenment Club (SEC)**

Sep, 2016 – Aug, 2019

**Position:** Founder/Organizer

**Achievement:** In 3 years, Inspired 500+ elementary school students to love science.