Theodore Shiao

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

BA in Computer Science, B.S. in Business Administration
May 2021 | Berkeley, CA
Cum. GPA: 3.67 / 4.0
SAT: 2370

LINKS

Github:// **theoshiao**
LinkedIn:// **theodoreshiao**

COURSEWORK

UNDERGRADUATE

Efficient Algorithms and Intractable Problems
Data Structures
Structure and Interpretation of Computer Programs
Computer Architecture (Machine Structures)
Discrete Mathematics and Probability Theory
Foundations of Data Science
Principles of Business
Microeconomic Theory
Linear Algebra

SKILLS

PROGRAMMING

Proficient:
Java • Python • Swift • C
Familiar:
HTML • CSS • JavaScript • LaTeX

INTERESTS

Basketball (Go Lakers!)
Hip Hop
Travel
Food
Kayaking
Rock Climbing

EXPERIENCE

WAYFAIR | Incoming Product Management Intern
June 2019 | Boston, MA

COOLJAMM | Software Engineering Intern
August 2018 - December 2018 | Berkeley, CA
- Helped with a background music sharing platform that includes personalized suggestions and AI-generated music
- Created a back-end tool that automatically verifies the copyright status of music in the database against YouTube's ContentID system.
- Automated song uploading process using the YouTube API.
- Developed front-end using Angular CLI for controlling testing tools, with various inputs to sort, restrict, and change testing parameters.

UPSYNC | Data Analytics Consultant
September 2017 – December 2018 | Berkeley, CA
- Organized a Virtual Reality Hackathon and Speaker Panel with speakers from Google, Oculus, and HTC.
- Created a website for one of our clients.
- Responsible for growing and managing Upsync's $2000 budget through investment theses and portfolio allocations.

PROJECTS

SWIFTJUMP IOS | Swift
Created an iOS vertical scrolling platforming game using SpriteKit in Swift. Includes randomized level designs, various power-ups, and character customization.

YELP REVIEW PREDICTOR | Python
Wrote a program that estimates the Yelp rating of a review based off the words used in the review. Worked with the Apache Spark library to create a Naive Bayes classifier for the Yelp dataset.

NBA STOCK MARKET | Python, JavaScript, HTML, CSS
Created a web application that acted as a NBA stock market, where users had the ability to buy/ sell NBA player 'stock' (five game running average of fantasy score). Hosted in Flask, with Python back-end used to pull NBA player data and calculate stock values and JavaScript front-end.

BERKELEY MAPS | Java
Programmed the back-end of a web-mapping application of the Berkeley area. Created and implemented the routing algorithm to determine shortest-paths with the Open Street Map dataset. Also included a rasterer for zooming functionality.