

Anderson Tsai

COMPUTER SCIENCE MAJOR · UNIVERSITY OF CALIFORNIA, BERKELEY

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About Me

Technical Skills Python · Java · C/C++ · MySQL · Scheme · HTML · PHP · \LaTeX

Languages Conversational Proficiency in Mandarin · Conversational Proficiency in Spanish

Interests Design · Artificial Intelligence · Natural Language Processing · Computer Vision

Work Experience

Skoruz Technologies

Fullerton, CA

SOFTWARE ENGINEERING INTERN

June 2019 - May 2020

- Used Python and Java to automate change data capture (CDC) between various data sources (Hive, MySQL, msSQL, MariaDB, Oracle) while leveraging data analytics tools such as Apache Nifi and Apache Kylo.
- Used Python to create adaptive optical character recognition software that picks up tax information from an invoice and used HTML and PHP to create a graphical user interface. Produced for Kotak Mahindra Bank.

GBC International Bank

Monterey Park, CA

PROJECT MANAGEMENT INTERN

June 2019 - August 2019

- Coordinated a team of five others to create workflows that automate the processing of documents and streamlines the process for other employees at the bank.
- Created a foundation for workflow automation and established the effective uses of the workflow program. Integrated workflows for the first time at this bank.

UAVs@Berkeley

Berkeley, CA

AUTONAV ENGINEER

January 2020 - April 2020

- Created image classification for a UAV to quickly identify the location, shape, color, and number of an object in a field.
- Written in Python and utilizes OpenCV and YOLO.

Competitions and Personal Projects

Cal Poly Pomona High School Programming Contest

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

May 2019

- Participated in programming competition with hundreds of other competitors and teams from the Southern California area.
- Sponsored by Northrop Grumman, National Security Agency, Snapchat, and Google.
- Placed within high school division.

Gitlet

UNIVERSITY OF CALIFORNIA, BERKELEY

June 2019 - May 2020

- Built a miniature version of Git for a data structures class from scratch
- Features full-fledged version-control commands.
- Click this text to view the project on Github.

MNIST Digit Classifier

PERSONAL

June 2020 - June 2020

- Created a neural network to classify handwritten digits.
- Trained on MNIST data and solves the MNIST problem with around a 93% accuracy.
- Click this text to view the project on Github.

Education

University of California, Berkeley

Berkeley, CA

B.A. IN COMPUTER SCIENCE

August 2019 - Present

- Structure and Interpretation of Computer Programs
- Data Structures
- Great Ideas in Computer Architecture (Machine Structures)
- Discrete Mathematics and Probability Theory
- Designing Information Devices and Systems I and II