

# TAO HU

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## EDUCATION

**CUNY Queens College (CUNY)**, Flushing, NY  
Bachelor of Arts in Computer Science

Aug 2017-May 2019  
Aug 2020-Dec 2023

## PROJECTS

**LittleLemon** | [\[GitHub\]](#) | [\[Web\]](#)

Aug 2023

**Technology** Django | SQLite | MySQL | Bootstrap4 | Python

- Develop a restaurant webapp with Django fullstack framework includes reservation system, survey form with customer feedback end to end, inspect customer data into fully managed database MySQL with Crud operations, deployed on AWS EC2 with supervisor gunicorn and nginx

**ChatGPT Clone** | [\[GitHub\]](#) | [\[Web\]](#)

Sep 2023

**Technology:** React | Javascript | Node.js

- Developed a ChatGPT clone app, utilizing GPT-3.5 architecture, with a user-friendly interface and intelligent conversational capabilities. Demonstrated expertise backend development, and successful deployment.

**SQL query Project** | [\[GitHub\]](#)

Oct 2022

**Technology:** SQL Server Management Studio | Azure data studio | Docker

- Collaborate with 5 team members to design database schema, setup queries by different tables with the given data and use dependencies between the different tables to link the charts with the required data, act as a backend engineer to create table and schema with queries

**Grocery List Manager** | [\[GitHub\]](#)

Oct 2022

**Technology:** Android Studio | Java | Git

- Collaborate with 4 programmers to develop an Android application Grocery List to manage user database as Frontend/Backend Developer finished UI design and login backend activity ahead of schedule by one week.

**Movie Web app** | [\[GitHub\]](#)

Jun 2023

**Technology:** Java | Spring Boot | React | MongoDB

- Engineered a Movie Web Application leveraging React for front-end development, backed by Java and Spring Boot for a seamless back-end experience. Utilized MongoDB as a primary database to effectively handle data operations and ensure optimal performance

**Applied Data Science Project unsupervised Learning** | [\[GitHub\]](#)

Oct 2023

**Technology:** Python | Scikit-learn | Tensorflow | Machine Learning | Numpy

- Conducted comprehensive analysis of US crime and law enforcement statistics segmented by US Census communities. Developed regression models to predict 'ViolentCrimesPerPop', representing the per capita violent crimes for specific communities. Utilized extensive datasets to identify key predictors and determine their impact on crime rates and compare model performance with Linear Regression, LASSO, Ridge Regression, ElasticNet Regression, Multilayer Perceptron

## SKILLS

**Programming Languages:** Python | Java | JavaScript | SQL | C++

**Tools:** VS code | Azure Data Studio | AWS | Anaconda | Jupyter Notebook | MongoDB

**Systems/Tools:** windows | Linux | Ubuntu | SSMS

**Version Control:** Git

**Frameworks/Test:** Android | TensorFlow | Pytest | Unit Test | [Django](#) | [sklearn](#)

## LEADERSHIP

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**Project Basta x Google G-SWEP program**

July.2023-Sep-2023

Selected to participate in 10-week 1 on 1 coaching with Google engineers, prepared for career in tech industry.

**Basta Discovery** | Fellow

Feb.2023-May-2023

Selected to participate in a 9-week professional development career prep program aimed at helping first-generation college students secure an entry-level job in the tech industry.

## CERTIFICATION

DeepLearning.AI TensorFlow Developer [[Link](#)]

Meta Django Web Framework [[Link](#)]