Tianchu Ze

Birth Date: August 1, 2002

26-10 Jackson Ave, 39B,
Long Island City, NY, 11101

tz2018@nyu.edu
peterze123.github.io

EDUCATION

New York University   **September 2020 - Present**
Computer and Data Science (Honors)

Overall GPA: 3.75

Related Courses: Basic Algorithms, Operating Systems, Data Structures, Computer Systems Organization, Discrete Math, Linear Algebra

Udemy Complete Python Developer Certification   **June 2021 - Present**
A certification course offered by Udemy for python fundamentals and advanced applications

Gained experiences through projects on OOP in Python, web development, scripting, and scraping

Google Data Analytics Professional Certification   **April 2021 - Present**
A certification course offered by Google through Coursera in preparation for introductory Data Analytics roles

Gained experiences through case studies and for multiple tools: Tableau, Google spreadsheet (Excel), BigQuery

SKILLS

Languages: Python, SQL, Java, C, Javascript

Date Tools: Git, Azure Databricks,Spark, BigQuery, MongoDB, PostgreSQL

Web Tools: Flask, Django, Express, React, Node.js , Swing

EXPERIENCES

Participation in Various Hackathons   **May 2021 - Present**
Hack In Place 3 (Honorable Mention) - Contributed to Stubby, a course management app that focuses on community building, specifically worked on the schema models, request handlers, and the login page

NYU Super Hacks (Honorable Mention) - Contributed to a desktop version of Gomoku using JAVA Swing, notably worked on the mouse listeners and the painting of stones through JPanel

Love Data Week - Performed ETL tasks that scraped, transformed, and loaded the 2020 NYU course catalog as dataframes by departments into SQLite

Tech Team, NYU CSSA   **June 2021 - Present**
A tech-learning group under NYU's Chinese student and scholar's association

Worked on multiple python/php scrapers for various websites: Hacker News, Weather.com, etc. Organized the articles retrieved as a material library for the club newsletter

Tech@NYU Fellowship Program   **March 2021 - Present**
Contributed to a data science project, notably an analysis on the aggressiveness of soccer tournaments; On other projects, worked mostly with ETL scripting that loads data into a PostgreSQL server

PROJECTS

Team Noteboard
A Flask web app. This app is designed to support small teams' brainstorming or task management by moving a drawable bulletin board online along with a private board available for each member.

Your News API
A web api using Django REST framework. This is a profile api with authentication and feed functions. Each user can choose their preference of news type and retrieve or create articles accordingly.

Process Scheduler
A project on OS. This scheduler in C allows both Round Robin/FCFS. After inputting any number of run/block times for any number of processes, each process executes orderly under the chosen algorithm.