

# Terence (Hantian) Zhang

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## EDUCATION

### Cornell University

Ithaca, NY

*B.A. in Computer Sciences; B.A. in Economics; GPA: 3.8/4.0; Dean's List*

Expected May 2022

- Relevant Courses: Machine Learning, Operating System, System Organization and Programming, Natural Language Processing, Computer Vision, Algorithm Analysis, Database Management Systems

## PROFESSIONAL EXPERIENCE

### Millennium Management

New York, NY

*Automation Developer Intern*

June 2021 – August 2021

- Built Swagger-Test-Generator library for automated API test generation using Java and Swagger Parser
- Recreated data comparison web GUI with Angular Ant Design and embedded two-way data binding
- Summarized projects progress with future milestones and presented to the Corporate Tech department
- Attended 15 professional training sessions covering financial and technical topics with multiple teams

### Cornell CMSX

Ithaca, NY

*Backend Lead*

September 2020 - Present

- Developed Builder classes and related methods for models to checked database constraints on entities
- Created and integrated File Transaction Handler to enable new file download notification email feature
- Enhanced student enrollment synchronization functionality to support auto database entries update

### Glide

Ithaca, NY

*Co-founder; Backend Developer*

May 2021 – Present

- Designed and developed databases and microservices for system modules using MongoDB and Python
- Scripted auto deployment process for backend server using Docker, Amazon EC2 and AWS service

### Cornell Cup Robotics

Ithaca, NY

*Backend Engineer*

October 2020 – May 2021

- Upgraded object detection functionality with OpenCV to reduce latency and support multithreading
- Improved the accuracy of AprilTag recognition system by regularizing movement unit using OpenCV
- Participated in the development of the Minibot GUI using Python Flask, Tornado and JavaScript React

### Cornell University, Computer Science Department

Ithaca, NY

*Machine Learning Teaching Assistant*

August 2021 – Present

*Computer System Teaching Assistant*

January 2021 – May 2021

*Java Teaching Assistant*

August 2020 – December 2020

*Python Teaching Assistant*

August 2019 - May 2020

- Held 150+ hours of office hours and labs to assist students with course materials and programming tasks

### Clubby

Ithaca, NY

*Co-founder; Full Stack Developer*

May 2020 – Feb 2021

- Constructed 800+ lines of backend codes using Python Flask and the relational database with MySQL
- Established the connections between web and database with updates to support new frontend features
- Implemented and tested frontend features with JavaScript React and complied the API documentation

## LEADERSHIP AND EXTRACURRICULAR EXPERIENCE

### Omicron Delta Epsilon, Honor Society in Economics

Ithaca, NY

*Member*

October 2020 - Present

- Attended social and academic events to meet leaders of the field and build connections with professors

### Ascend Cornell Chapter

Ithaca, NY

*Analyst*

February 2019 - Present

- Developed speed-learning and team-working abilities through 3 case studies and 2 stock pitches

### Cornell Chinese Drama Society

Ithaca, NY

*Executive Vice President*

June 2019 – May 2020

- Coordinated 6 departments to ensure the production and advertisement of 2 drama plays each semester

## ADDITIONAL INFORMATION

**Languages:** Mandarin (Native), English (Fluent), Spanish (Basic)

**Technical Skills:** Python, Java, C++, SQL, MongoDB, Linux, Angular, TypeScript, JavaScript, HTML

**Interests:** Tree Climbing, Jazz Music, Asian Cuisine Cooking, Urban Sociology