Terence (Hantian) Zhang

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EDUCATION

Cornell University   **Ithaca, NY**
B.A. in Computer Science; B.A. in Economics; GPA: 3.8/4.0   May 2022
- Dean's List (3x): Fall 2018, Fall 2020, Spring 2021
- Member of Omicron Delta Epsilon, Honor Society in Economics

PROFESSIONAL EXPERIENCE

Vicino AI   **Remote**
AI Research Engineer   September 2025 - Present
- Joined Vicino AI, a 3D asset creation platform converting text and images into high-quality 3D models
- Developed AI image editor with natural language prompts and launched in production with Shopline

Bili Technology   **Seattle, WA**
Senior Software Development Engineer (Consultant)   July 2025 - September 2025
- Consulted the development of Parallel Agent Workspace (PAW), an AI-native version-control system
- Architected PAWLite, proof-of-concept version showcasing collaboration of large fleets of AI agents
- Adapted AI avatar management platform for Linux compatibility and deployed with automatic scaling

Amazon   **Seattle, WA**
Software Development Engineer I - II   August 2022 - July 2025
- Maintained Amazon's core digital asset repo and pipeline with 50B+ assets and 576B+ annual requests
- Built derivative media tracking system powering the core access layer for uncompressed source assets
- Automated content removal workflow to unblock a $3.6B goal and cut processing from 15 mins to <1s
- Implemented auto image optimization process leveraging SSIM for enhanced perceptual visual quality

Millennium Management   **New York, NY**
Automation Developer Intern   June 2021 – August 2021
- Constructed Swagger-Test-Generator library for automated API test generation using Swagger Parser
- Recreated data comparison web GUI with Angular Ant Design and embedded two-way data binding

LEADERSHIP AND PROJECTS EXPERIENCE

Cornell Course Management System X   **Ithaca, NY**
Backend Lead   September 2020 - May 2022
- Directed the developer team in overhauling the system with improvements driven by user feedback
- 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

Entrepreneurial Projects   **Ithaca, NY**
Co-founder; Developer   May 2020 – May 2022
- Clubby: a full-stack web platform for centralized online access to all Cornell's student organizations
- Glide: an iOS ride-sharing app for students to find safe and affordable long distance rides from peers

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 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

Cornell University, Computer Science Department   **Ithaca, NY**
Teaching Assistant: Machine Learning; Operating Systems; Java; Python   August 2019 - May 2022
- 200+ hours of office hours and labs to assist students with course materials and programming tasks

ADDITIONAL INFORMATION

Languages: Mandarin (Native), English (Fluent), Spanish (Basic)
Technical Skills: AWS (DynamoDB, S3, SNS/SQS, Lambda), distributed systems, concurrency control
Interests: Snowboarding, Tree Climbing, Jazz Music, Asian Cuisine Cooking, Urban Sociology