

Alfred Zhao

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EDUCATION

New York University Stern School of Business

New York, NY

B.S. in Business (Statistics) | B.A. in Mathematics

Sep 2022 – May 2025

- **GPA:** 3.73/4.00 | **Honors:** Dean's List (2022 - Present)
- **Coursework:** Data Structures, Discrete Mathematics, Multivariate Calculus, Statistics for Business and Regression

University of North Carolina

Chapel Hill, NC

Summer Session II

Jul 2023 – Aug 2023

- **GPA:** 3.75/4.00 | **Coursework:** Linear Algebra for Applications, First Course in Differential Equations

Marvin Ridge High School

Marvin, NC

Scores and Honors

Aug 2018 – Jun 2022

- **GPA:** 3.98/4.00 (Unweighted), 4.65/5.00 (Weighted) | **SAT:** 1550/1600 | **ACT:** 35/36 | **Class Rank:** 23/472
- AP Scholar with Distinction, National Merit Finalist, Junior Marshal, Varsity Soccer, Science Olympiad, DECA, FBLA

EXPERIENCE

The Lights Cafe and Restaurant

Ballantyne, NC

Assistant Manager

May 2022 – Aug 2022

- Supervised and supported employees, managed opening and closing, ensured customer satisfaction, and operated register
- Maintained inventory, oversaw equipment functionality, and effectively delegated tasks to decrease operating costs by 5%

Barista and Cook

Mar 2022 – May 2022

- Dialed in espresso machines, ground coffee beans, and prepared pour-overs, espresso, teas, smoothies, spritzes, and more
- Made up to 20 dishes per hour with fresh ingredients sourced from local farmers and assisted in preparation and cleaning
- Worked in other roles as needed, including dishwasher, server, and cashier, which reduced staffing changes by up to 50%

Math and Physics Tutor

Waxhaw, NC

Self Employed

Feb 2020 – Aug 2023

- Wrote comprehensive curricula for students to supplement in-class learning and communicated with parents and teachers
- Guided students to ensure their readiness for standardized exams and future courses, resulting in a 10% increase in grades

EXTRACURRICULARS

Strategic Venture Society

New York, NY

Venture Team Analyst

Feb 2024 – Present

- Pitched startups in various stages, using valuation models and investment theses to defend decisions against panels of 5+
- Used tools such as graphic design, industry research, and qualitative / quantitative analyses to support investment theses

PROJECTS

Modeling CTE Risk Using Monte Carlo Methods

Feb 2024

- Wrote an article regarding Monte Carlo simulations and how they can be used to inform certain types of risk assessment
- Used Python to visualize correlation between key risk factors and probability of developing neurodegenerative diseases

Google Calendar Sync

Dec 2023

- Created a mockup of an iOS app in Figma intended to let Google Calendar users to sync their events to Apple's EventKit
- Coded the minimum viable prototype in Swift and designed the user interface with SwiftUI, integrating Google's API

Linear Systems Solver

Jun 2023

- Created a program in Python 3 with NumPy to automate Gaussian elimination and simple matrix factorization to check over Linear Algebra problem sets, decreasing time spent doing homework by over 25% and small mistakes by 10%

SKILLS AND INTERESTS

- **Languages:** English (native), Chinese (fluent), Japanese (conversational), Spanish (conversational), German (beginner)
- **Interests:** Textile Design, Music (Electronic, Ambient, Classical), East Asian Cuisine, Urban Planning, Loose Leaf Tea
- **Skills:** L^AT_EX, Microsoft 365, Excel, Figma, Java, Swift, Python, NumPy, Matplotlib, HTML, CSS, Jekyll, SQL, Git