

# BRIAN ZHOU

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## EDUCATION

### New York University, Leonard N. Stern School of Business

New York, NY

*B.S. in Business and Computer Science, Concentrating in Management and Entrepreneurship*

*Expected May 2027*

- **Cumulative GPA:** 3.96/4.00 | **Coursework:** Data Structures, Computer Systems, Financial Accounting, Information Technology
- **Organizations:** Entrepreneurial Exchange Group (Treasurer and Startup Team Lead), Business Analytics Club (Freshman Liaison)

### Lebanon Trail High School

Frisco, TX

*High School Diploma*

*Aug 2019 – May 2023*

- **GPA:** 3.99/4.00 | **SAT:** 1580/1600 | **Coursework:** AP Computer Science, AP Calculus BC, Object-Oriented Programming
- **Organizations:** DECA Business Club (VP of Finance), Esports Club (Co-Founder and VP), Chamber Orchestra (Concertmaster)

## PROFESSIONAL EXPERIENCE

### T-Mobile

Frisco, TX

*Software Engineering Intern*

*May 2024 – Aug 2024*

- Developed a PowerBI dashboard to track daily tests for T-Mobile's billing system by automating data collection with Java and SQL
- Analyzed dashboard data and provided recommendations for test coverage reallocation to leadership, improving passing rate by 6%
- Created comprehensive QA guides for testing the billing system which were adopted across the organization for employee training

### Luden

New York, NY

*Software Engineering Intern*

*Feb 2024 – Apr 2024*

- Researched and implemented lean startup principles to streamline development of MVP, reducing estimated time-to-market by 17%
- Developed initial prototypes of algorithm learning app using React Native, optimizing for core features to reduce development time
- Designed UI/UX prototypes in Figma, optimizing for user experience and achieving positive survey feedback from initial user tests

### Saltgrass Steakhouse

The Colony, TX

*Server*

*Apr 2023 – Aug 2023*

- Earned Employee of the Month in July 2023 for record-breaking signature cocktail sales, exemplary teamwork, and excellent attitude
- Devised top-performing sales strategies and techniques, achieving 38% personal sales growth and reaching top of sales leaderboard
- Refined interpersonal skills and service standards, earning an average of 4.95/5 star reviews from high-tier loyalty program members

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

### Entrepreneurial Exchange Group

New York, NY

*Treasurer and Startup Team Lead*

*Feb 2024 – May 2024*

- Led 10-week startup immersion program for premier entrepreneurship/VC club, designing curriculum and mentoring new students
- Managed annual budget of \$5000, allocating funding for food, apparel, and prizes to boost event attendance by 8% from prior year

### DECA Business Club

Frisco, TX

*Vice President of Finance*

*Aug 2019 – May 2023*

- Placed 6<sup>th</sup> among 200+ teams in international consulting case competition, delivering and defending impromptu solution to judges
- Analyzed school store inventory with trend analysis, resulting in 35% reduction in surplus stock and 40% increased year-to-year sales

## PROJECTS

### Tournament Scoring (Crossovers for Cures)

*Jun 2024 – Jul 2024*

- Developed full-stack application for youth charity basketball tournament, facilitating over \$40000 in fundraising for epilepsy research
- Implemented algorithms for randomized matchups and optimizing court space using Golang to automate tournament administration
- Digitized display of court assignments, scores, and results using Svelte, refining tournament experience by reducing player crowding

### Teacher Retirement Calculator

*Jan 2023 – Apr 2023*

- Engineered retirement calculator for teachers with 95% statistical confidence using Python, NumPy, and Matplotlib for visualization
- Performed Monte Carlo simulation with multiple correlated assets, employing Cholesky decomposition to adjust for multicollinearity
- Implemented Agile Scrum methodology via Jira, achieving 100% sprint completion and improved efficiency of development process

## SKILLS & INTERESTS

- **Languages:** Go, Python, JavaScript, TypeScript, Java, HTML/CSS, SQL, C, x86-64 Assembly
- **Technologies:** Node.js, Svelte, React, React Native, AWS, NumPy, Matplotlib, Express.js, MongoDB, Figma, Excel
- **Interests/Activities:** Science-based bodybuilding, Fencing, Violin, Brawl Stars, *How I Met Your Mother*, Dallas Cowboys, Travelling