Alexander Chen

Expected Graduation: May 2026 | Millburn, NJ | 973-382-4739 | alex.chen89hp@gmail.com | linkedin.com/in/alexchen04/

EDUCATION

Northeastern University, Khoury College   **Boston, MA**
Bachelor of Science in Data Science, Minor in Mathematics   *Sep 2022 – May 2026*
- **GPA**: 3.8/4.0
- **Honors**: Dean's List (All Semesters), Data Science Student Representative
- **Relevant Course Work**: Programming with Data (I, II, Advanced), Discrete Structures, Probability and Statistics, Database Design, Information Retrieval, Information Visualization, Foundations of Data Science, Calculus (I, II)

EXPERIENCE

Northeastern University   **Boston, MA**
Teaching Assistant DS2500   *Jan 2024 - Present*
- Conduct biweekly office hours to provide support and assistance to over 300 students, ensuring academic success and engagement.
- Collaborate with course instructor to develop and refine course materials and assignments, ensuring alignment with learning objectives.
- Engineered and deployed auto graders in Python for 6 homework assignments and 5 lab exercises, resulting in time saving of 100 hours.
- Facilitated weekly labs and provide direct mentorship to enhance students' practical proficiency in data analysis and visualization.

Northeastern University, Sherman Forge   **Boston, MA**
Financial Analyst   *Sep 2023 – Present*
- Monitored budget and monthly project charges for 4 distinct product teams leading to the successful delivey of 4 final stage products.
- Conducted financial forecasting and variance analysis to provide insights into project performance to support future budget planning.
- Administered a $4,000 budget, ensuring optimal allocation of resources and financial sustainability across multiple project streams.
- Implemented and optimized a suite of automated solutions, reducing processing times of purchasing and reimbursement process by 30%.

Northeastern Systematic Alpha   **Boston, MA**
Junior Analyst   *Jan 2024 – Present*
- Applied statistical techniques and leveraged advanced Excel functions to identify market trends and investment opportunities.
- Created and implement several advanced factor models to identify market inefficiencies to inform investment strategies.
- Utilized programming skills in Python to automate data collection and learning processes, increasing the efficiency of research by 20%.

Chipotle   **Millburn, NJ**
Shift Leader   *May 2021– Aug 2023*
- Directed a team of over 10 members, instilling a culture focused on exceeding client service expectations with comprehensive training.
- Maintained standards of cleanliness and organization throughout the restaurant, contributing to a 24% improvement in health scores.
- Spearheaded customer initiatives, resulting in increase of guest satisfaction aligning in Chipotle's goal of long-term client relationships.

PROJECTS

Sports Betting Arbitrage   **Millburn, NJ**
Python, Pandas, websocket, Selenium   *May 2021– Aug 2023*
- Utilized Python and web sockets for automated web scraping, enabling the discovery and storage of non-directional trades in SQL.
- Conducted thorough risk analysis using Monte Carlo simulations and scenario planning to mitigate potential losses and maximize profits.
- Identified 76 arbitrage opportunities with returns ranging from 1% to 6% cumulatively adding 3.5% to the portfolio's performance.

Finding FishE   **Boston, MA**
Python, Supabase, CSS, HTML   *Feb 2024*
- Integrated frontend with Flask to create a user-friendly interact that allows seamless uploading and parsing of photos and documents.
- Implemented NLP algorithms capable of interpreting complex policy text, resulting in an automated system that scores receipt data.
- Competed against 30+ teams and won the Diversity. Equity, and Inclusion award for helping small businesses at Hack Beanpot 2024.

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

Camp Kesem Boston University   **Boston, MA**
Development Coordinator   *Sept 2022 – Present*
- Coordinate a team of 100+ student leaders, overseeing their efforts in fundraising and spreading awareness campaigns.
- Achieved a 24% increase in funds raised and a 30% expansion in campaign reach compared to previous years efforts.
- Develop and implement comprehensive strategic plans to secure funding and achieve a $55,000 target for Camp Kesem Programs.

ADDITIONAL INFORMATION

Technical Skills: Java, Python, C++, JavaScript, MySQL, HTML, CSS, Tableau, Excel, Alteryx, PowerPoint, Figma, Retail OMS
Languages: Fluent in Mandarin, Limited Working Proficiency in Spanish
Interests: Basketball, Soccer, Film Photography, Wordle, Chess, Backpacking (AMT, Grafton Notch), Cooking (Chinese, French)