

## EDUCATION

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<b>Harvard University</b> (GPA: 3.99/4.0) S.M. in Applied Mathematics (Concurrent Master's). A.B. in Computer Science and Statistics, Secondary in Economics. <u>Awards</u> : <i>John Harvard Scholar (3-time), Detur Prize, Certificate of Distinction in Teaching (4-time)</i> .	Cambridge, MA May 2023 May 2023
<b>Sycamore High School</b> (GPA: 4.0/4.0) <u>Awards</u> : <i>Valedictorian, USA Math Olympiad (3-time), US Chemistry Olympiad (2-time, Top 50)</i> .	Cincinnati, OH May 2019

## EXPERIENCE

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<b>Harvard University</b> <i>Student Researcher · Summer Program for Undergraduates in Data Science Research Fellow</i>	Cambridge, MA May 2022 - Present
<ul style="list-style-type: none"><li>◦ Inventing a new deep Bayesian neural network-based model to interpolate and improve upon the performances of maximum a-posteriori based Neural Linear Models and fixed-kernel Gaussian Processes.</li><li>◦ Empirically evaluating different parametrizations and architectures of the model with regularization interpretations.</li></ul>	
<b>Harvard University</b> <i>(Head) Teaching Fellow (TF) for Harvard's Introduction to Artificial Intelligence Course</i>	Cambridge, MA Fall 2022, Fall 2021
<ul style="list-style-type: none"><li>◦ Expanded course from an enrollment of 65 in 2021 (as a regular TF) to an enrollment of 115 in 2022 (as the head TF).</li><li>◦ Created 5 problem sets with a combined total of 5 in-depth programming problems and over 20 theoretical problems.</li><li>◦ Supervising the creation of at least 15 new handouts, including new problem sets, section notes, and lecture notes.</li><li>◦ Directing weekly meetings to coordinate responsibilities of course material creation, grading, and responding to students.</li></ul>	
<b>Five Rings Capital</b> <i>Quantitative Trader Intern</i>	New York, New York May 2021 - August 2021
<ul style="list-style-type: none"><li>◦ Conducted quantitative research and mock trading via data analysis (intentionally vague in compliance with the company).</li></ul>	
<b>Harvard University</b> <i>Teaching Fellow/Course Assistant for Multiple Courses</i>	Cambridge, MA/Remote August 2020 - Present
<ul style="list-style-type: none"><li>◦ On course staff for 9 courses in math, statistics, computer science (One or more iterations of: Theoretical computer science, Machine Learning, Artificial Intelligence, Group Theory, Probability, Statistical Inference).</li><li>◦ Taught in all possible formats, ranging from large lectures of over 100 students to 1-1 tutoring, both virtually or in person.</li></ul>	

## LEADERSHIP AND ACTIVITIES

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<b>Harvard Association for U.S. China Relations</b> <i>Executive Board, Finance Director (2021-2022), Conference Director (2020-2021)</i>	Cambridge, MA August 2020 - August 2022
<ul style="list-style-type: none"><li>◦ Directed budget of \$200,000 for international conference, community, and organizational expenses.</li><li>◦ Partnered with nonprofit to host a 5 week long hybrid conference for Chinese students.</li><li>◦ Recruited over two dozen professors, student organizations, and student mentors for conference programming involving seminars, panels, masterclasses, and mentorship pairings.</li></ul>	
<b>Harvard Square Homeless Shelter</b> <i>Supervisor (2022-2023), Resource Advocate (2021-2022)</i>	Cambridge, MA November 2021 - Present
<ul style="list-style-type: none"><li>◦ Connected several guests to local resources for shelter, food, and administrative needs on a weekly basis.</li><li>◦ Instituted a new centralized activities tracker to document dozens of client cases and coordinate across resource advocates.</li></ul>	

## SKILLS AND INTERESTS

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**Programming Languages:** Python , R , C++      **Python Packages:** Numpy , Pandas , Seaborn , Sklearn , PyTorch  
**Interests:** International Development , Juggling , Calisthenics , Piano