

DYLAN CHENG

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Great Falls, VA 22066

EDUCATION

University of Chicago - Chicago, IL

Expected in 06/2028

Bachelor of Science: Computational And Applied Mathematics

Thomas Jefferson High School for Science and Technology - Alexandria, VA

06/2023

High School Diploma

- Relevant Coursework: Multivariable Calculus, Linear Algebra, Artificial Intelligence, Machine Learning

PROFESSIONAL EXPERIENCE

Volunteer | Breadcoin - Washington, DC

10/2021 - 05/2024

- Volunteered at regular Breadcoin community table events, serving food to 50-100 people per event
- Created a flyer to help Breadcoin expand its scope and partner with Chinese restaurants across the city

Tutor | Hope Chinese School - Chantilly, VA

09/2021 - 06/2024

- Established a weekly Quiz Bowl class for elementary and middle school students
- Created over 100 engaging and intellectual lessons to teach science, math, history, and the arts
- Motivated students towards building self-confidence, improved performance dramatically

Intern | University of Maryland Computer Science Department - College Park, MD

06/2022 - 08/2022

- Collaborated and worked weekly with professor and other students to conduct research into the intersection of AI with game theory
- Gained valuable experience developing AI models with Python to solve the NIM problem, successfully trained models to over 95% accuracy

Intern | George Mason University - Fairfax, VA

04/2023 - 08/2023

- Fixed flaky tests in large codebases and wrote Github pull requests, acquired skills in conducting rigorous software testing and eliminating buggy and indeterministic code

PROJECTS

Researcher | Computer Systems Lab - TJHSST

09/2023 - 05/2024

- Developed fully automated AI bot to play Clash Royale using computer vision and reinforcement learning
- Wrote paper explaining methodology and created data visualizations to present results and metrics

ACTIVITIES AND LEADERSHIP

Team Member and Treasurer | Quiz Bowl Team - TJHSST

09/2021 - 06/2024

- Organized club funds and finances, including handling payments from tournaments and preparing budgets
- Competed in seven national tournaments, won second place out of seventy teams in PACE 2023

SKILLS

- Programming languages: Python, Java, R, Web Development (HTML, Javascript, SQL)
- Languages: English, Chinese