

Benjamin Ye

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EDUCATION

Northwestern University

Bachelor of Science in Computer Science

Evanston, IL

Expected June 2026

- Cumulative GPA: 3.51/4.00
- Relevant Coursework: Intro to AI, Data Structures & Algorithms, Intro to Computer Systems, Programming Languages

TECHNICAL SKILLS

Programming Languages: C, C++, CSS, HTML, Java, JavaScript, MATLAB, Python, Racket

Software/Tools: React.js, Visual Studio, Visual Studio Code, Vite, LaTeX, Microsoft Office (Word, PowerPoint, Excel)

WORK EXPERIENCE

Northwestern University Debate Institute

Lab Leader

Evanston, IL

July 2022 – August 2023

- Coached 30+ high school debaters from across the country in research and argumentation on topics such as artificial intelligence, biotechnology, cybersecurity, economic inequality, international relations, and current events
- Formulated lectures on debate theory and organized drills on speaking mechanics and argument generation to help students develop their argumentative skills
- Led the largest lab by evaluating practice speeches, judging daily practice debates, and hosting evening office hours

Resident Assistant

July 2023 – July 2023

- Worked with other resident assistants to manage and foster connections in a residence hall of 30+ ethnically diverse high school debaters
- Implemented and enforced Residence Hall Policies in an equitable manner, promoting a safe and open community
- Employed mediation and interpersonal skills to resolve conflicts between students and provide guidance over issues

PERSONAL PROJECTS

PairingsBot (Python)

- Built a bot using discord.py to automatically send debate tournament pairings to a channel in Discord
- Utilized Tabroom's API and BeautifulSoup4 to generate round URLs and scrape round information from Tabroom
- Practiced good programming principles by writing usage documentation on GitHub and performing iterative testing

Counter-Strike Investment Tracker (React.js, Typescript)

- Used React.js and Vite to design and create a web app that tracks a user's Counter-Strike related investments
- Integrated Steam web hook calls to update the current market prices of a user's investments on-demand
- Added file input and output for a user to save and restore investment data

Personal Website (HTML, CSS)

- Designed and built a website from scratch that serves as a personal portfolio
- Implemented responsive design techniques to optimize readability and scaling for different screen sizes and devices

OpenStreetMap Navigation API (C, C++)

- Developed back-end functionality to represent a user-inputted map from OpenStreetMap with various data structures (C++ maps, dynamic arrays, sets) and perform basic search queries
- Applied various algorithms (Dijkstra's algorithm, binary search) to compute the shortest pathway between two points

EXTRACURRICULARS

Northwestern University Debate Society

Varsity Debater

Evanston, IL

August 2022 – Present

- Travel and engage in debates and dialogue with teams from 90+ other colleges such as Harvard, Emory, and UC Berkeley
- Research topics such as legal personhood for artificial intelligence, AGI alignment, digital forensics, and decentralized autonomous organizations by analyzing law reviews and academic journals

ADDITIONAL INFORMATION

Awards: John B. Kirk Award, Milton S. Florsheim Prize

Interests: Bunnies, Ferrets, Piano, Speedcubing, Debate, US-China Relations, Legal Personhood, Counter-Strike, Valorant