# Benjamin Ye

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## EDUCATION

**Northwestern University**                                                                                          **Evanston, IL**
*Bachelor of Science in Computer Science*                                                          *Expected June 2026*
- Cumulative GPA: 3.63/4.00
- Relevant Coursework: Intro to AI, Programming Languages, Intro to Databases, Data Structures & Algorithms

## 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**                                                         **Evanston, IL**
*Lab Leader*                                                                                          *July 2022 – August 2023*
- Coached 50+ high school debaters from across the country by formulating lectures on debate theory and structuring targeted drills to build proficiency in debating topics such as artificial intelligence, cybersecurity, and current events
- Led the largest lab by evaluating practice speeches, judging daily practice debates, and facilitating evening office hours to refine students' speaking mechanics and argument generation skills
- Directed the camp tournament by overseeing logistics, ensuring a seamless and engaging experience for all students

*Resident Assistant*                                                                                 *July 2023 – July 2023*
- Coordinated with fellow resident assistants to cultivate community among 30+ ethnically diverse high school debaters, fostering inclusivity and support between students
- Enforced Residence Hall Policies in an equitable manner, promoting a safe and welcoming environment for all students
- Mediated conflicts and offered guidance, fostering a harmonious and supportive atmosphere conducive to growth

## PERSONAL PROJECTS

**PairingsBot** (Python)
- Wrote a Discord bot using discord.py used by Northwestern's Debate Society, streamlining the debate competitor experience by automatically sending debate tournament pairings to a dedicated Discord channel
- Employed Tabroom's API and BeautifulSoup4 to scrape round information from Tabroom with minimal network strain
- Demonstrated proficiency in programming best practices by performing iterative testing across multiple tournaments and writing comprehensive usage documentation on GitHub

**Counter-Strike Investment Tracker** (React.js, Typescript)
- Developed a user-focused web app utilizing React.js and Vite, offering tracking of a user's Counter-Strike investments
- Integrated Steam API calls to dynamically update investment values, providing real-time market prices on demand
- Implemented data upload and download functionalities, allowing users to effortlessly save and restore their data, enhancing convenience and data management within the website

**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**                                                          **Evanston, IL**
*Varsity Debater*                                                                                    *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:** Ferrets, Possums, Piano, Speedcubing, Debate, US-China Relations, Legal Personhood, Counter-Strike, Valorant