

JOHN BYLER

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EDUCATION

Yale University, New Haven, CT

Expected Graduation May 2028

BS in Computer Science and Economics

- **Relevant Coursework:** Data Structures, Algorithms, Mathematical Tools for Computer Science, Applied Linear Algebra, Introductory Microeconomics, Introductory Macroeconomics.

Jenkintown High School, Jenkintown, PA

June 2024

- **Academics:** Valedictorian, GPA: 4.25 / 4.00, SAT: 1580
- **Awards:** National Merit Scholar, PA State Programming Competition 2nd Place, Perfect Score in AP Computer Science Principles Exam (459 globally, top 0.1%), PA Seal of Biliteracy in French
- **Activities:** School Newspaper Editor-in-Chief, Captain of Varsity XC & Track Teams, President of Investments Club.
- **Dual Enrollment:** Temple University: Introduction to Brand Strategy & Research, Linear Algebra, Computer Science Research Assistant in Cryptography; GPA: 3.87 / 4.00; Arcadia University: Calculus II; GPA: 4.00 / 4.00

WORK EXPERIENCE

Global Teaching Project, Teaching Assistant, Virtual

Feb 2025 – Present

- Serve as the primary lecturer and collaborate with the teacher to enhance student learning.
- Plan and deliver bi-weekly lessons for AP Computer Science Principles and AP Physics to students in underserved areas of rural Mississippi.

CatchLight Capital Partners, Intern, Virtual

Oct 2024 – Feb 2025

- Developed AI platform to assist partners with company research, due diligence, and evaluation, deployed through web application.

OakBottle, Inc. (dba Picks), *Technical Product Manager*, Virtual

Oct 2023 – Sep 2024

- Developed artificial intelligence tools to improve recommendation capabilities, increasing product-market fit.
- Created web application to complement iOS app, enhancing user experience and doubling potential user base.
- Advised CEO and streamlined technology use to improve development plans, increasing development efficiency.

Hiremind LLC, *Full-Stack Developer*, Virtual

May 2024 – Sep 2024

- Reworked artificial intelligence model usage logic in web application backend to improve AI interview capabilities, providing faster, higher quality, and more reliable outputs.
- Engineered other frontend and backend features to make the web application ready for production.

Fiverr.com, *Freelance Software Developer*, Virtual

Jan 2022 – Sep 2023

- *Rating:* 4.97 / 5.00 stars on 89 reviews, 134 orders
- Advised clients on software solutions for business and personal projects, designing artificial intelligence, desktop applications, web applications, business programs, automation programs, and more.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Federalist Party of the Yale Political Union, *Internal President*, Yale University

Aug 2024 – Present

- Actively participate in twice weekly philosophical debates on topics in ethics, politics, economics, religion, and more.
- Lead weekly operational meetings and plan debates and other events, coordinate with alumni and all other officers of the party, lead intellectual development through coffee chats and reading groups.
- Served also as Historian of the Union, along with Secretary and Director of Recruitment for the Party.

Scouts BSA, *Eagle Scout & Senior Patrol Leader*, Jenkintown, PA

Sep 2011 – Feb 2024

- Directed Eagle Project to design and install a memorial bench for loss of beloved Cross Country coach.
- Led troop for meetings, fundraising, service projects, camping trips, hikes, and more.

SKILLS AND INTERESTS

- *Computer Skills:* Expert in Python, Advanced JS/HTML/CSS, C/C++, Golang, Intermediate Microsoft Excel
- *Language Skills:* Working Fluency in French, Proficiency in German
- *Interests:* Reading, Philosophy, Language Learning, Entrepreneurship, Running, Chess