Alexander Schapiro

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Entrepreneurial and self-motivated learner. Head of Yale's **most popular student-run website**.
Technical: Proficient in Python, Flask, Docker, Git/GitHub, Google scripts, REST APIs, Selenium, Racket, C, C++, GRPC, Google AI Studio, React, Node, OCaml. Experienced in penetration testing. Some work covered in BI.
Received large **bug bounty from a major airline** for finding a security vulnerability in critical infrastructure.

EDUCATION

Yale University   **New Haven, CT**
- B.S. Candidate (Major: Computer Science), 3.95/4.0 GPA (4.0/4.0 in CS)   *Expected May 2026*
- Relevant Coursework: CPSC 202, CPSC 223, CPSC 323, CPSC 365, CPSC 381, CPSC 413, CPSC 420, CPSC 421

The KIVUNIM Institute   **Jerusalem, Israel**
- 4.2/4.0 GPA   *October 2021- June 2022*
- Gap year based in Israel studying Arabic and Hebrew, the Israeli-Palestinian conflict and Jewish history around the globe

Francis W. Parker High School   **Chicago, IL**
- GPA: 3.95/4.0; ACT: 35/36; Illinois All-Sectional in Scholastic Bowl   *Class of 2021*

PROGRAMMING PROJECTS

@ClusterBuyBot on X   *January 2022 - Present*
Creator
- Tracking cluster buys as filed to the SEC via a Form 4 so any X user can see when multiple insiders of a company make an open-market purchase within a short period of time. Used Python to automate the checking and alerting for this signal.

Yalewrappd.com   *October 2022 - Present*
Creator
- Created an interactive website to calculate and share the most popular artists and songs at Yale University. 700 users within the first three days. Built with Spotify APIs. Check out the playlist!

Other Projects
- *squiblib.com* Created/built secure social network for private groups to share and store news articles with each other.
- *yourlifeintunes.com* Used the Spotify and Billboard APIs to create a playlist of the top songs from key dates in one's life.

EXPERIENCE

Amazon Web Services (AWS)   **New York City, NY**
AI/ML Software Development Intern   *Summer 2025*
- Interning on the Bedrock team to make hosting AI models as easy as can be.

Yale Law School   **Chicago, IL**
AI Legal Research Assistant   *August 2024-Present*
- Working with Professors Scott Shapiro and Ruzica Piskac on AI-powered "lawbots" to parse legal codes using automated reasoning, improving access to legal information through formal verification.

Verizon   **Chicago, IL**
Artificial Intelligence Red Team Intern   *Summer 2024*
- Performed adversarial testing on Generative AI enabled applications as part of the AI Red Team.
- Testing included scoping the applications, authoring test plans, building test prompts and scripts to identify potential vulnerabilities, and communicating results through written reports and presentations.
- Leveraged practitioner tools including Burp Suite, ARTKit, and PyRIT.

Lendbuzz   **Tel Aviv, Israel**
Software Engineering Intern   *Summer 2023*
- Paid internship as a software engineer in a fintech/ML company. Implemented crucial features and cut down runtime of popular processes by over 90%. Containerized the backend to run in ECS.

Dr. Richard Condit, Former Chief Scientist, Smithsonian Center for Tropical Forest Science   **Chicago, IL**
Research assistant and programmer   *2020 - 2021*
- Created a Shiny (open source R package) app to analyze the spread of COVID-19. Cited in the published final product.

Lincoln Park Sports Camp
Founder and CEO   *Summer 2020*
- Created profitable, successful sports camp. Built from scratch, hired and managed staff as business expanded, used Python to scrape databases for marketing. Utilized SEO to become third Google search result for "Chicago Sports Camps".

LEADERSHIP & EXTRACURRICULARS

Yale Computer Society   **New Haven, CT**
Head: CourseTable   *October 2022-Present*
- Lead a team of Yale students to implement feature requests and develop Yale's premier student website, a course info site with 6000+ users. Over 7 million requests processed per month. Open source.

Yale Student Investment Group (YSIG)   **New Haven, CT**
Software Group   *September 2022-Present*
- Yale's premier investment group and one of the most competitive pre-professional orgs on campus (~5% admitted.).
- Member of the team which analyzes investment opportunities in software technology.

Yale Politic Magazine   **New Haven, CT**
Tech Director   *July 2022 - January 2024*
- Responsible for technology and online presence of The Politic. Projects have included creating a search algorithm for the website, writing a Python script to improve the site's SEO, implementing better security and improving user interface.

SKILLS & INTERESTS

Languages: Basic proficiency in Hebrew and Spanish
Interests: Ancient languages, Piano, Tennis, Chicago, Concerts, Catan

Recommendations can be provided upon request