

Shriyan Yamali

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EDUCATION

Newark Charter High School	Sept 2023 – May 2027
GPA: 4.0/4.0	Newark, DE
<ul style="list-style-type: none">Activities: Business Professionals of America President, Computer Science Honor Society President, Mock Trial.Honors: Gold Level President's Volunteer Service Award, Distinguished Honor Roll, AP Scholar with Distinction.	
University of Michigan FP Lab	June 2025 – Present
<i>Lab Member</i>	Remote
<ul style="list-style-type: none">Contributing to PhD level research on type theory at the Future of Programming Lab under Professor Omar.Developing Hazel, a live functional programming environment programmed in ReasonML that supports editing, evaluating, and type-checking programs with typed holes, leaving no meaningless editor states.	
Stanford Law School	June 2024 – Present
<i>Programming Intern</i>	Remote
<ul style="list-style-type: none">Developed a four-phase Python pipeline using Pandas, PyPDF2, and Regex that scrapes the European Commission's Competition Case Search, downloads decision PDFs, and converts them into a text corpus.Batched the corpus through Google Gemini, via the GenAI API, to automatically isolate every relevant market definition and consolidate them into a database of 600 unique cases, used to evaluate monopolistic behavior.Building JurisMercatus, a website with 4000+ market definitions, made with Next.js, TypeScript, and Tailwind CSS, that performs semantic searches, using OpenAI embeddings and the Pinecone API for vector indexing.<i>Project Link:</i> jurismercatus.shriyanyamali.com	

Dartmouth College	July 2024 – Jan 2025
<i>Assistant Editor</i>	Remote
<ul style="list-style-type: none">Proofread an ICLR submission through two revision cycles, ensuring all 31 pages met the conference formatting rules, were grammatically sound, and maintained consistent terminology, notations, and citations throughout.Built 2 LaTeX tables that distilled 100,000 pairwise evaluation instances from 12 judge LLMs (GPT, Claude, Gemini families) and 40 candidate models into the core metrics: repetition stability, position consistency, and preference fairness.	

University of Pennsylvania Carey Law School	July 2024 – Aug 2024
<i>Summer Intern</i>	Philadelphia, PA
<ul style="list-style-type: none">Built LexFlow, a Python tool that generates T-shaped graphical models showing how legal principles exert force on an act type based on user-defined attributes, used in research, legal articles, and policy evaluation.Engineered a system where user inputs are converted into arrows with width, length, and area calculated using weighted geometric formulas, which were later purchased by the University of Pennsylvania Carey Law School.Used Matplotlib for diagram rendering, NumPy for numerical computation, and implemented vertical positioning algorithms and force-balancing mechanics to ensure accurate vector graphic placement.<i>GitHub Repository Link:</i> shriyanyamali/LexFlow	

PUBLICATIONS

- S. Yamali. "Lextract: A Python Pipeline for the Automated Extraction of Market Definitions". *Journal of Open Source Software, Forthcoming*, 2025, <http://dx.doi.org/10.2139/ssrn.5576990>.
- S. Yamali. "Disentangling *Citizens United* and *SpeechNow.org*: Independent Expenditures and the Rise of Super PACs". *Working Paper*, 2025.

AWARDS

- First Place in Computer Programming Concepts** (Business Professionals of America NLC, 2025)
Placed 1st out of 7,450+ participants nationwide in an exam testing algorithms, Python, Java, JavaScript, web development, SQL, version control, programming paradigms, debugging, testing, and logic-based problem solving.
- First Place in Information Technology Concepts** (Business Professionals of America NLC, 2025)
Placed 1st out of 7,000+ participants nationwide in an exam testing IP, DNS, ports, firewalls, cybersecurity, hardware and software, cloud computing, data and information processing, storage systems, system architecture, and digital ethics.