

CURRICULUM VITAE

Gabriel Ryan Turner

Contact Information:

3227 Richard Ave., Louisville, Kentucky 40206 USA

+1 (502) 408-6985

gabeturner06@gmail.com

[LinkedIn](#) | [BiasBouncer](#)

Birthdate: October 20, 2006

Age: 18

Summary

A highly motivated, result driven, future entrepreneurial engineer with a passion for service and community involvement. Ready to be a lifelong learner with global understanding, not tied to earned degrees, to identify needs, devise solutions, and see them through.

Experience

Founder, BiasBouncer AI (2023 - Present)

- Developed BiasBouncer, an agentic AI platform for human-centric brainstorming and deep research tasks. BiasBouncer eliminates cognitive biases in solutions and decisions by introducing multiple contrasting viewpoints advocated by role-playing agents. These agents can debate each other, form resolutions, and cooperate with each other using advanced tools. The human user is constantly kept in the loop, and is able to create deep research plans with their agentic team before dynamically orchestrating large tasks.
- Began work on the idea in April 2023, designing constructive debate patterns between agents that would lead to robust, unbiased solutions.
- Created first proof-of-concept in August 2023 after a discovery trip in the UK and Europe, by modifying AutoGPT, an early agentic framework. I created a pipeline that could run multiple instances simultaneously to create agentic teams and automate commands, using the system's shared file memory to orchestrate tasks requiring teamwork.
- Developed a second proof-of-concept using my own framework in October 2023, where up to four agents were assigned multiple perspectives by the user. These agents were given advanced web-scraping tools, and could debate and acknowledge each other's viewpoints until a resolution was forced after three debate rounds, similar to a speech-and-debate tournament. This system produced answers that rivaled OpenAI's GPT-4 in complexity and validity, even when the agents were based on the less capable GPT-3.5-turbo model.
- Continued work throughout my junior and senior years as agentic technology improved and became mainstream in mid-2024 and especially early 2025. In January 2025, I released the first BiasBouncer web application on Streamlit Cloud for user testing, and added custom web search and file creation tools over the next two weeks for up to 6 semi-autonomous agents.
- Using LinkedIn and Instagram, I built a strong global connections base and regularly published progress and updates to increase engagement, and also began writing articles on Medium.

The app was well received and tried by over 60 faculty, staff, and students at my high school, prominent entrepreneurs and developers within the Louisville community, and even some global connections in France, Spain, the UK, and elsewhere in Europe. I received informative feedback and used it to regularly improve the app

- When OpenAI released the Responses API in March 2025, BiasBouncer was upgraded to be fully compatible with the API for fast web search and safer, vectorized file storage.
- BiasBouncer will soon be a core product under Pro Nobis AI, Inc., a company focused on Intelligent, Human-centric solutions for academia. The company is dedicated to eliminating bias and plagiarism while ensuring human relevance in AI-driven research. I plan to continue expanding BiasBouncer and similar products while advancing research in AI bias mitigation and agentic collaboration.

Independent Researcher, Modular Wave Approximation Techniques (2024 - Present)

- Inspired by Feynman's Path Integral Formulation of Quantum Mechanics, I explored the mathematics of approximating complex waves using renormalized modular sums of the form $Ng(x) \bmod n$.
- Proved that the limit of such sums as N goes to infinity is continuous, and investigated its potential application in computational modeling, signal processing, and physics equations, particularly in numerical PDEs like the wave equation. I continue to study Quantum Mechanics and higher mathematics as part of my personal research.

Math Tutor (All Levels, Including ACT/SAT Preparation)

Education

High School Diploma

Trinity High School, Louisville, Kentucky, USA (May 2025)

GPA: 4.0

SAT: 1490 | **ACT:** 32

AP Courses & Scores:

- AP Calculus BC
- AP Pre-Calculus (5)
- AP Physics I (4), AP Physics II
- AP Chemistry (4)
- AP US History (5), AP World History (5)
- AP Government and Politics
- AP Literature and Composition, AP Language and Composition (4)
- AP Seminar (3)

Honors & Leadership

- Kentucky Governor's Scholars Program (2024)
- National Honor Society (2023-25)
- Beta Club (2023-25)
- President's List (2023-25)

- Trinity High School Shamrock Award (2023-25)
 - Advanced Program Book Award (2023-25)
 - Student Government Representative (2022-25)
 - Trinity High School Seton House Captain (2025)
 - Co-Founder, Academic World Quest Team, State Finalist (2024)
 - Certificate of Honorable Merit, American Classical League (2022)
 - Maxima Cum Laude, National Latin Exam (2022)
-

Service & Community Involvement

- Money Counter & Reader, Our Lady of Lourdes Catholic Church
 - Volunteer, Louisville Outreach for the Unsheltered
 - Volunteer, Feed Louisville
 - Volunteer, St. Mark's Episcopal Church
 - Volunteer, Belize Mission Trip, Hand in Hand Ministries (June 2024)
-

Sports

- Cross Country Team Captain
 - KHSAA Kentucky State Champions (2023)
 - Kentucky High School Athletic Association Academic All-State (First Team)
-

Music & Arts

- Trinity High School Band
 - Piano (11 years)
 - French - 2 years, Latin - 8 years, Greek - 3 years, Spanish - 2 years
 - Drawing, creative writing (a graphic fantasy novel), and music composition
-

Extracurricular Activities

- Pit Crew Manager and Lead Manufacturing Engineer, Winner's Circle Robotics Inc. (FRC Robotics)
 - Private Pilot's License Instruction (Louisville Aviation)
 - Lived in London for a month (June 2023) while mother attended Le Cordon Bleu Culinary School
 - Walked 175 miles on the Camino de Santiago (July 2023)
-

Skills & Interests

Technical: Python, LangChain, AI/ML Development, Web Scraping, Research & Data Analysis

Entrepreneurship: Startup Development, Business Strategy, Fundraising

Research Areas: Agentic AI, Human-AI Collaboration, Computational Mathematics, System Engineering, Robotics

Creative Work: Medieval Fantasy World-building, Linguistics, Illustration, Graphic Storytelling & Design, Music Composition

References

- **Father David Sanchez** – Pastor, Our Lady of Lourdes Catholic Church – dsanchez@ourlourdes.org
- **David Smillie** – Director, Louisville Outreach for the Unsheltered – donate@lououtreach.org
- **Marti Taber** – Director of Christian Education, St. Mark's Episcopal Church – marti.taber@stmlky.org
- **Paul Diehl** – Math Instructor, Director of Trinity High School AP Program – diehl@trinityrocks.com
- **Steve Hammer** – STEM Instructor – hammer@trinityrocks.com
- **Gary Pearson** – Piano Instructor– +1 (502) 893-7885
- **Michael Browning** – Mentor, Co-Founder, Soaring Titan AI – +1 (502) 644-7138