

Article: [America's Leading Alien Hunters Depend on AI to Speed Their Search](#)

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Summary of the Article

The Bloomberg article spotlights Harvard's Galileo Project, an ambitious scientific initiative that leverages artificial intelligence (AI) to search for evidence of extraterrestrial technology and unexplained aerial phenomena (UAPs, formerly known as UFOs). Led by Harvard astrophysicist Avi Loeb, the project is pioneering the use of custom machine learning algorithms and advanced sensor arrays to systematically scan the skies for anomalies that cannot be explained by conventional means. The Pentagon and other research institutions are closely watching and, in some cases, collaborating with the project, reflecting a growing mainstream acceptance of rigorous, data-driven UFO research [1](#) [2](#) [18](#).

Key Takeaways

1. The Galileo Project's Approach

- The Galileo Project, founded in 2021, uses a network of sensors—including infrared cameras, spectrometers, magnetometers, and particle counters—linked to powerful AI software that analyzes vast amounts of sky data in real time [27](#).
- The AI system is trained to recognize and filter out known aerial objects (aircraft, drones, birds, etc.), flagging only those that defy classification for further investigation [27](#).
- When an anomaly is detected, the observatory automatically triggers additional data collection for deeper analysis [2](#).

2. AI as a Game Changer

- AI enables the team to process huge volumes of data from multiple sources in real time, something previously impossible with manual analysis [13](#) [18](#).
- The software is continuously improved using large databases of both real and simulated objects, allowing it to better distinguish between mundane and potentially extraordinary phenomena [2](#).
- This approach marks a shift from anecdotal UFO sightings to systematic, reproducible scientific inquiry [8](#).

3. Scientific Rigor and Skepticism

- The project emphasizes scientific rigor, aiming to move the search for extraterrestrial intelligence (SETI) from the fringes to mainstream science [1](#) [2](#) [8](#).
- The team's philosophy is to precisely define what a UAP is *not*, thereby making any true anomaly stand out more clearly [2](#).
- While the project is open to the possibility of extraterrestrial origins for some phenomena, it does not assume this as the default explanation [2](#) [5](#).

4. Broader Impact and Institutional Interest

- The Pentagon's All-domain Anomaly Resolution Office (AARO) is developing similar AI tools, and Congress has mandated annual reports on UAPs, signaling official interest in the field [1](#) [2](#).
- Other academic and research institutions are launching comparable efforts, inspired by the Galileo Project's methodology [2](#) [14](#).

5. Notable Figures

- Avi Loeb, known for his controversial but scientifically grounded hypotheses about interstellar objects like 'Oumuamua, leads the project [2](#) [5](#).
- Researchers like Laura Dominé and Richard Cloete are key contributors, bringing expertise in physics, engineering, and AI [1](#) [2](#) [7](#).

Conclusion

Harvard's Galileo Project exemplifies a new era in the search for extraterrestrial intelligence—one defined by AI-driven analysis, scientific rigor, and growing institutional support. By systematically filtering out the known to isolate the truly unknown, the project is transforming UFO research from speculation to science, potentially paving the way for historic discoveries [1](#) [2](#) [18](#).

Citations:

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