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Comment On: NSF-2025-OGC-0001-0001
Request for Information: Development of a 2025 National Artificial Intelligence Research and Development Strategic Plan

Document: NSF-2025-OGC-0001-DRAFT-0218
Comment on FR Doc # 2025-07332

Submitter Information

Name: Lucas Finco

General Comment

Dear NITRD NCO,

StrateGain LLC submits this document as comments on the USA's National AI R&D Strategic Plan. StrateGain is a consulting company formed to help facilitate the development and advancement of AI/ML and its application to various industries. StrateGain's Principal Consultant Lucas Finco is an AI industry veteran with over 20 years of experience developing, testing, and deploying AI solutions. He currently works as an author, podcaster, professor, advisor, and consultant to universities, organizations, companies, startups, and individuals. Lucas is available to volunteer on committees or serve as an advisor to NSF upon request.

StrateGain agrees with much of the existing strategic plan and is encouraged by the current efforts of the NSF and the federal government to support AI R&D. In order to improve the plan and address some areas which may be missing, StrateGain humbly submits the following points of recommendation for the advancement of the National AI R&D Strategic Plan:

1. Congress and/or federal agencies need to provide clarity on AI litigation risks. Many industries are currently delaying AI deployments due to uncertainty over who is liable for damages that might result from the application of AI. Is the company liable for every possible negative action the AI takes? Are the developers liable? Are the providers of the training data liable? Where does the responsibility end?
 - a. For example, if an autonomous vehicle crashes and causes damage, who is liable?
2. The federal government can play an important role in providing guard rails against potentially harmful outcomes of AI. The free market evolution of AI will most certainly create some negative outcomes which will need the government to play a role in preventing and/or mitigating.
 - a. One example is a Hippocratic Oath for AI practitioners. Such an oath might address topics like lethal AI, prevention of closed AI feedback loops, adverse outcomes, unintended consequences, etc. The oath could take a form similar to the Three Laws of Robotics by Isaac Asimov. Such an oath would prevent negative AI developments before they are deployed into society and pass experiential wisdom down to young developers as they begin their careers.
3. The federal government can provide important support for the development and deployment of AI in industry, above and beyond fundamental AI R&D, through supporting activities such as:
 - a. Financial support and expertise for fellowships in the field of AI development and deployment.
 - b. Financial support and expertise for incubators that aid in the development of AI startups.
 - c. Support for open-source development of foundational AI models and deployment frameworks (such as the Model Context Protocol (MCP)).
 - d. Tax incentives for AI development and deployments.
4. The federal government should support AI development and educational opportunities for US born citizens. Since US taxpayers are funding these programs, US born citizens should be given priority to learn about and develop tomorrow's AI solutions. This is critical to ensure that the US remains a global leader in the field of AI.

5. Federal support should be provided for workers whose jobs are impacted by the deployment of AI. Enhanced educational programs that focus on areas where AI is lacking can ensure a strong future workforce that can deliver more value to the economy in a faster and more efficient way by utilizing AI. Creative occupations will still be in high demand in the future, as opposed to occupations that were monotonous, repetitive, and easily replaced by AI. Therefore, our education system must change to focus on developing these areas over methods that were beneficial for the past industrial revolution.

Please consider these recommendations in your formulation of a National AI R&D Strategic Plan. Feel free to contact Lucas for further discussion or any other engagements.

Lucas Finco
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Attachments

STRATEGAIN_National_AI_Strategy



May 10th, 2016

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Coordination Office (NCO)
2415 Eisenhower Avenue
Alexandria VA 22314

RE: Docket ID No. NSF-2025-OGC-0001 - 2025 National AI R&D Strategic Plan

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