

AI for Information Security call for proposals — Spring 2024

Advancing possible solutions for some of the most challenging problems in information security.

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About this CFP

AWS is committed to helping customers achieve the highest levels of security in the cloud. Our security services use cutting-edge machine learning (ML) algorithms to improve the security posture of AWS accounts. We aim to continue advancing possible solutions for some of the most challenging problems in information security. We are seeking to fund machine learning research on the following topics in information security:

1. Threat, intrusion, and anomaly detection for cloud security
2. Generative AI and foundation models for information security
3. Graph modeling and anomaly detection on graphs
4. Learning with limited/noisy labels and weakly supervised learning
5. ML for malware analysis and detection
6. Finding security vulnerabilities using ML
7. Causal inference for information security
8. Zero/one-shot learning for information security
9. Reinforcement learning for information security
10. Protecting and preserving data privacy in the cloud
11. Securing generative AI and foundation models

Timeline

Submission period: March 27 to May 7, 2024 (11:59PM Pacific Time).

Decision letters will be sent out August 2024.

Award details

Selected Principal Investigators (PIs) may receive the following:

1. Unrestricted funds, no more than \$80,000 USD on average
2. AWS Promotional Credits, no more than \$40,000 USD on average

Awards are structured as one-year unrestricted gifts. The budget should include a list of expected costs specified in USD, and should not include administrative overhead costs. The final award amount will be determined by the awards panel.

Eligibility requirements

Please refer to the ARA Program rules on the [FAQ page](#).

Proposal requirements

Proposals should be prepared according to the [proposal template](#).

Selection criteria

AI for Information Security will make the funding decisions based on the potential impact to the research community and quality of the scientific content.

Expectations from recipients

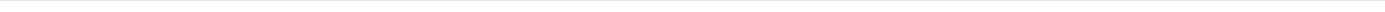
To the extent deemed reasonable, Award recipients should acknowledge the support from ARA. Award recipients will inform ARA of publications, presentations, code and data releases, blogs/social media posts, and other speaking engagements referencing the results of the supported research or the Award. Award recipients are expected to provide updates and feedback to ARA via surveys or reports on the status of their research. Award recipients will have an opportunity to work with ARA on an informational statement about the awarded project that may be used to generate visibility for their institutions and ARA.



How to apply

When you're ready to submit your proposal, use the button below and follow the instructions on the site.

Submit your proposal



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- Economist , Device Economics**
US, WA, Seattle
The Amazon Devices and Services organization designs, builds and launches products that help people make the most of their devices. We are looking for an Economist to join our team and help us understand the economics of our devices and services. This role will involve working with cross-functional teams to develop and implement economic models, analyze data, and provide insights to inform product and business decisions. You will also be responsible for communicating these insights to stakeholders across the organization.
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- Applied Scientist, Publisher Ads**
US, WA, Seattle
The Amazon Advertising Publisher Ads team is looking for an Applied Scientist to join our team. This role will involve working with cross-functional teams to develop and implement machine learning models, analyze data, and provide insights to inform product and business decisions. You will also be responsible for communicating these insights to stakeholders across the organization.
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- Senior Manager, Economic Simulation**
US, WA, Seattle
The Amazon Advertising Publisher Ads team is looking for a Senior Manager to join our team. This role will involve working with cross-functional teams to develop and implement economic models, analyze data, and provide insights to inform product and business decisions. You will also be responsible for communicating these insights to stakeholders across the organization.
[Read more](#)
- Senior Manager, Economic Simulation**
US, WA, Bellevue
The Amazon Advertising Publisher Ads team is looking for a Senior Manager to join our team. This role will involve working with cross-functional teams to develop and implement economic models, analyze data, and provide insights to inform product and business decisions. You will also be responsible for communicating these insights to stakeholders across the organization.
[Read more](#)
- Applied AI Intern - Economics, PXT**
US, WA, Bellevue
The Amazon Advertising Publisher Ads team is looking for an Applied AI Intern to join our team. This role will involve working with cross-functional teams to develop and implement machine learning models, analyze data, and provide insights to inform product and business decisions. You will also be responsible for communicating these insights to stakeholders across the organization.
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