

Request for Information (RFI) on Advancing Privacy Enhancing Technologies

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From:
To:
Subject: Fwd: PET Recommendations
Date: Friday, July 8, 2022 2:19:13 PM

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From: Bessie Chu <>
Sent: Friday, July 8, 2022 2:08 PM
To: PETS-RFI <PETS-RFI@nitr.gov>
Subject: PET Recommendations

Hello,

I am the Product Manager at Cape Privacy, a company that specializes in PETs. A few thoughts below.

1. Investing in and educating the public about PETs is crucial. China is going to be able to leapfrog the US in areas such as healthcare and AI/ML research generally due to unfettered access to their citizens' data. The US can be an AI/ML powerhouse, but it requires the consent and therefore understanding of its citizens of the benefits and how risk to their personal data can be reduced.
2. Investing in multiple areas of PETs. The US should place multiple bets on confidential computing (hardware based frameworks) as well as software-based frameworks such as secure multiparty computation and homomorphic encryption to process data. In addition to the data processing layer, investments should be done in areas such as differential privacy to democratize the use of more data. The census is a good example of this, but a lot more data could be unlocked if there is some standardization.
3. Supporting a broad range of institutions doing this work in the United States and allied nations - tertiary institutions, large companies, and start-ups like mine are doing this work at multiple angles of attack. Other states are doing so, and thus the United States government should be making investments and playing an active role in coordinating research in a way that also benefits national security.

Best,

Bessie Chu

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