

Agenda

Introduction (3 mins)

- 20 seconds / person
- Exercise (20 mins)
- Review the prompt Recap on key concepts
- Group discussion

Readout

Select a rep from our group to share key insights/takeaway in the main room

Discussion Prompt

- their thought processes around this?

Karley Construction of Several Action and A

Feel free to drop your LinkedIn profile in chat so we can connect each other further

• How does the role of data in Al systems change the attack surface? How can security professionals adjust • Does the CIA triad (confidentiality, integrity, and availability) still apply to AIML systems? Why or why not?

| Team Fraser | | | | | | | |
|---|--|--|---|--|----------------|-----------------------------------|--|
| | In ML systems, everything | Over-index on iust | Trust Al to be reliable, | No watchdog about what is | | | |
| How does the role of data in Al systems change the attack surface? How can | is ABOUT the data - lack of transparency in the data, but all usable | using, with little regard for security | in traditional software this is obvious, but in Al reliability isn't obvious | equivalent for AI or dependency checkers (hopefully will come) | | | |
| security professionals adjust their thought processes around this? | Ordinary security practices, shifting left, old rules still hold for | Security is likely to need to use AI to test AI, which involves | Software + data security is a journey, | LLM acts with the privileges of the user | | | |
| | AI | bootstrapping trust | a process | | | | |
| Does the CIA triad (confidentiality, integrity, and availability) still | | | | | | | |
| apply to AIML systems? Why or why not? | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Team Robin + Audrey | | | | | | | |
| How does the role of data | | | | | | | |
| in AI systems change the attack surface? How can security professionals adjust their thought | | | | | | | |
| processes around this? | | | | | | | |
| Does the CIA triad | yes, esp with model dependencies etc. What | Access controls are not clear in the AIML space esp. with | With RAG patterns a small change can | | | | |
| (confidentiality, integrity, and availability) still apply to AIML systems? Why or why not? | fails (availability). Integrity can also be compromised - Man in the middle | lack of understanding of the dependency. Indexed data could be compromised :) | have wider reaching influence | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Team Susanna | | | | | | | |
| How does the role of data | Data increases attack surface | LLM guardrails - always potential for sensitive data | Data can be weaponized - not just hardware/network | | | | |
| in Al systems change the attack surface? How can security professionals adjust their thought | | disclosure | elements | | | | |
| processes around this? | Data minimization may not be practical to prevent sesitive disclosure - big data training | Makes attack surface more complex - data may be compromised before training even begins | | | | | |
| Does the CIA triad | Intogrity Riac bow | PII industries - credit | | | | | |
| (confidentiality, integrity, and availability) still apply to AIML systems? Why or why not? | do we fight? | Confidentiality becomes inportant | | | | | |
| | AI as critical infrastructure - Availability attacks compromise critical functions | Integration of other standards | | | | | |
| | | | | | | | |
| | | | | | | | |
| Team Dimitri + Claire | | | | | | | |
| | You need production- like data in a lower | Focused a lot on tooling - but not so | Supports | Some professionals uncofmortable as not | Knowledge gaps | Need to change how to approach | |
| How does the role of data in Al systems change the attack surface? How can security professionals | environment | much data security | productivity | familair with it, rely on frameworks | | security | |
| adjust their thought processes around this? | | | | | | | |
| Doog the CIA toda | | | Still applies because we have AI | | | | |
| (confidentiality, integrity, and availability) still apply to AIML systems? | Data is data! So yes, it applies | Depends on your architecture | agents being viewed which should be considered an entity (like your PC etc.) you should apply controls to protect the information | important in the Al world | | | |
| ννηγ or wny not <i>?</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |