Carnegie Mellon University

ENGIN – Ecosystem for Next Generation Infrastructure

Fall 2023 CNI membership meeting

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Ecosystem and Engineering

- Infrastructure includes both people and technology human centered ecosystem combined with engineering
- Open source software and open science are drivers of next generation infrastructure
- CMU's capacity has grown to the point of influencing national, even global, strategy and programs
- ENGIN is an umbrella framework that will bring together partners both within and beyond CMU

ENGIN Initial Programs and Priorities

- Open science and automated science The CMU Cloud Lab
- Climate change and decarbonization through support of Open Energy
 Outlook model for examining impact of policy choices
- Cybersecurity of open source software partnering with Software Engineering Institute
- Bridging theory and practice for CS education through mentor-based open source software with industry partners (internship model)

Open Forum for AI

- Openness in AI technical framework that accounts for AI artifacts and workflow steps or orchestration
- Human-centered, participatory, inclusive AI that bends the arc to augmented intelligence
- Builds upon CMU's AI expertise particularly responsible AI
- Initial partners include Open Source Initiative and Atlantic Council

Funding Support

- Alfred P. Sloan Foundation and CMU CMU OSPO
- CMU Library reserve funds ENGIN
- Omidyar Network Open Forum for Al

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What does AI do to CC BY?