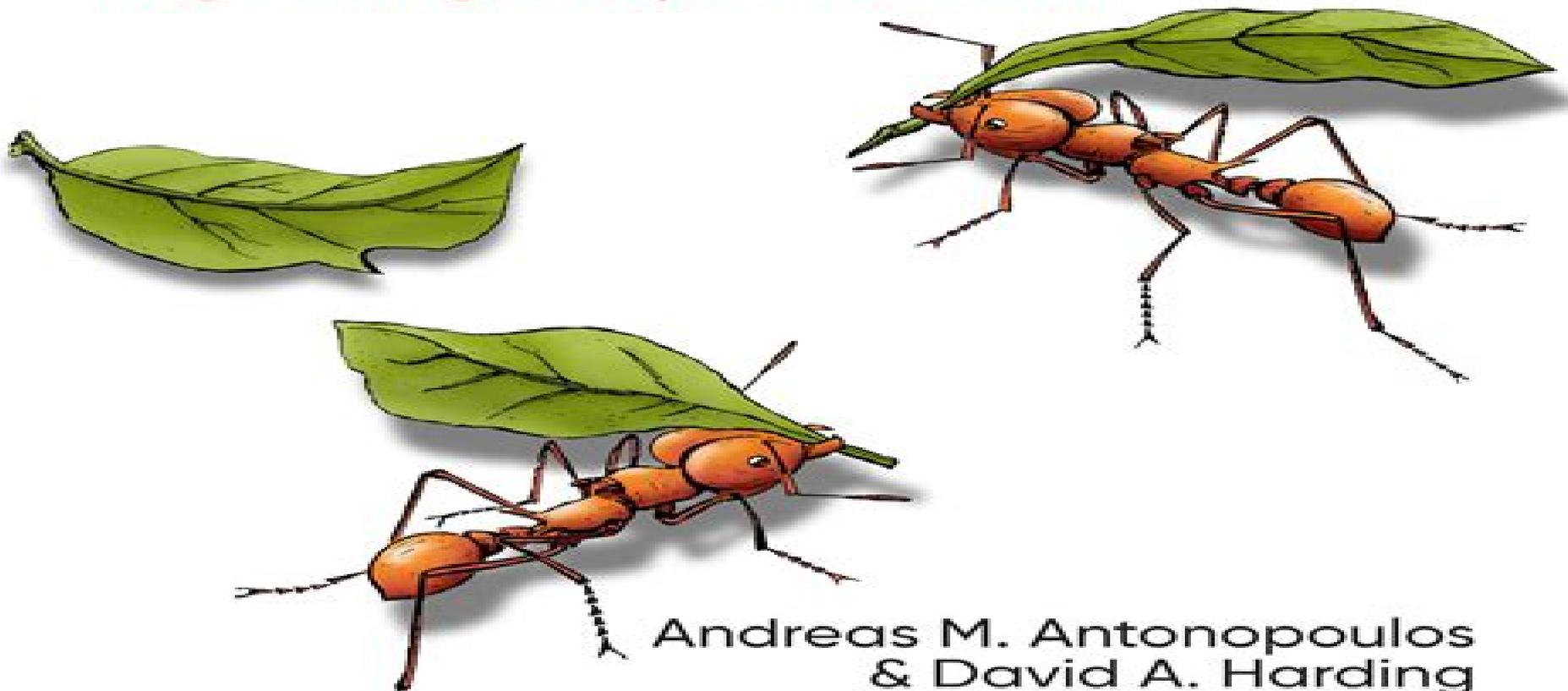


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AI Frameworks Enabled by Blockchain Vikram Dhillon, David Metcalf, Max Hooper, 2025-07-17 Blockchain technology offers a powerful foundation for building trust privacy and verifiability into AI frameworks This book will focus on how a blockchain can enable AI frameworks and applications to scale in a responsible fashion reshaping the future of numerous industries from financial markets to healthcare and education You ll see that in the next wave of AI products blockchain can provide a Trust Layer a fundamental feature previously only implemented for parties within a blockchain network The provable consensus algorithms and oracles previously implemented in blockchains can be extended to autonomous agents that are integrated with large language models LLMs and future applications Finally you ll learn that safety is a major concern for practical applications of AI and blockchain can help mitigate threats due to the decentralized nature As such there will be significant discourse on how blockchain can provide enhanced security against prompt injections LLM hijacking for dangerous information and privacy These ideas were studied rigorously when large financial institutions were releasing their own blockchains and distributed ledger protocols with a heavy focus privacy AI is undergoing a Cambrian explosion this year with foundational models emerging for all major domains of study however most such models lack the capacity to externally validate for the correctness of a fact or reply made by the LLM Similarly there are no definitive methods to distinguish between meaningful insights and hallucination These challenges remain at the forefront of AI research and *AI Frameworks Enabled by Blockchain* aims to translate technical literature into actionable and practical tips for the AI domain What You

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