Arash Vaezi

A Summary Research Statement

My research aims to address the question of how to design systems based on requirements and ideal objectives. Building on my prior research in computational geometry and my experience with distributed and decentralized systems, I've recognized the potential for a compelling perspective in system design by merging these two domains.

The specific details of my prior research are available in my CV. However, I want to emphasize my keen interest in crafting systems that are rooted in their geometric structure.

Research Goals

My research objectives revolve around the conceptualization of systems by means of predicting and modeling their future behavior. This entails not only identifying the system's components but also devising a geometric framework that encompasses the entire system.

To this end, I have initiated the development of a secure system, denoted as LoR, with the capability to handle diverse applications while ensuring both reliability and security. My intention is to further enhance the structural integrity of LoR, making it robust enough to function autonomously, without dependency on prior systems like blockchain. Furthermore, I have also conceptualized additional systems, namely Agent-Cells-With-DNA and Brain Cells, designed to operate either within the LoR system or as standalone entities. These systems promise to deliver a wide array of advantages for corporations, positioning them as primary users.

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