Artificial General Intelligence

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The articles contained within this repository are mostly works in progress. I try to explore various topics that interest me and think through them at various points in time.

I try to explore the following topics:

- Artificial General Intelligence (AGI)
- Artificial Intelligence (AI)
- Intelligence Augmentation (IA)
- Intelligence
- Cognition
- Reality
- Humans as machines
- Computer architecture
- Chatbots
- Natural language processing
- and many more topics

Feel free to leave me comments, questions and feedback through github issues!

Tom

1 Index

1.1 Indexes

- Books
- Movies
- Presentations
- Stories
- Quotes

1.2 Exploratory activities

- Agent abilities
- Agent teaching
- Build an AGI using Polya's method
- ChatGPT
- Communication medium
- Competitions
- Decision trees
- Dialog theory
- Entropy
- Graph architectures
- Imitation based agents

1.2.1 Prototypes (in order of start date)

1.2.2 Reverse engineering

1.3 Biology inspired exploration

1.4 Computer/Software/Computer Science inspired exploration

- AGI through Turing machines
- Automated defect correction
- Automated machine learning
- Automated language learning
- Automated programming
- Automated project management
- Automated refactoring
- Automated requirements
- Automated research
- Automated risk management
- Automated test generator
- Automated time series project
- Automatic template extraction
- Constructing functions
- Databases
- EURISKO-like AGI
- Formal AGI
- Perfect storage medium
- Playing with data
- Program equivalence
- Seed AI
- Set relation language
- State machines
- Static analysis

1.4.1   Bots and swarms

- Chatbot
- Multi agent bot
- Wikibot

1.5   Structured learning

- Current approaches
- Getting started
- Papers
- Researchers

1.5.1   Concept maps

- AGI concept map
- Computer science concept map
- Machine learning concept map
- Mathematics concept map
- Neuroscience concept map

1.6   My approach

- My approach to AGI
- Practical AGI

1.7   Personal experience

- My AGI story
- My path to AGI

- My suggested path to AGI
- Structuring an AGI research