Getting Started

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1 Requirements

- Computer Science knowledge
  - Algorithms
  - Data structures
  - Turing machines
  - Databases
- Mathematics
  - Functions
  - Set theory
  - Logic
  - Statistics
  - Proofs
  - Formal systems
  - Discrete mathematics
  - Signal processing
  - Topology
  - Optimization
- Programming experience
- Philosophy (foundations)
- A desire to learn
- Be open to all ideas (even the crazy ones!)

2 Suggestions

- Identify practical goals as soon as possible. It will help you better internalize what you'll read along the way.

3 Suggested readings

3.1 Pre-requisites

3.2 Essentials

- Artificial Intelligence: A Modern Approach
- OpenCog Glossary

3.3 Advanced

3.4 Uncategorized

- The Essential Turing

- Universal Artificial Intelligence - Sequential Decisions Based on Algorithmic Probability
- Christopher Michael Langan - The Cognitive-Theoretic Model of the Universe: A New Kind of Reality Theory
- Shane Legg - Machine Super Intelligence
- Manna

3.5 AGI researcher suggested

- https://sites.google.com/site/narswang/home/agi-introduction/agi-education
- http://wp.goertzel.org/agi-curriculum/
- http://www.hutter1.net/ai/introref.htm

4 References

- http://p.migdal.pl/2017/04/30/teaching-deep-learning.html