

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>