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- Speech recognition – dictation software
- Natural Language Processing
 - Text categorization
 - Information Retrieval
- Data Mining
 - Customer profiling
- Robotic Control
 - Mobile robots
 - Soccer playing robots

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Vision

- Meta-programming: program computers to learn by themselves
- Lifelong machine learning: machines that continuously learn
- Transfer learning: machines that generalize their experience to new situations
- Challenges:
 - Computational complexity
 - Sample complexity

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