

Something in my summer vacation...

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- Coding practice (<https://nowcoder.com/ta/coding-interviews>)
- Formula derivations of some machine learning methods
- Something about gradient vanishing & gradient explosion in deep learning
- Something about Knowledge Graph (<https://github.com/liuhuanyong/MiningZhiDaoQA Corpus>)
- Question Answering & Machine Comprehension Reading (MCR)

- **Knowledge Graph**

- (1) Knowledge acquisition

- Named Entity Recognition(NER)
 - Entity Connection
 - Entity Relationship Learning
 - Event Learning

- (2) Knowledge fusion

- Ontology matching
 - Instance match
 - Conflict detection

- **Knowledge Graph**

- (3) Knowledge inference

- Application: Knowledge classification, link prediction, Knowledge auto-completion

- (4) Knowledge storage and query

- RDF data storage and query based on relation data model
 - RDF data storage and query based on graph model