

Dong Chao

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EDUCATION

TIANJIN UNIVERSITY MANAGEMENT INFORMATION SYSTEM

BS IN July 2013 | China. Tianjin

LINKS

Github:// [neutronest](#)
LinkedIn:// [neutronest](#)
Zhihu:// [neutronest](#)
Blog: // [neutronest](#)

PERSONAL PROJECT

RAFT DISTRIBUTED SYSTEM

- implemented Raft algorithm
- leader election & log replica
- optimized replica policy for unreliable situation
- state shared by communication
- link [raft-golang](#)

MCTS SIMULATOR FOR TURN-BASED RPG FIGHTS

- implemented Monte Carlo Tree Search and variations
- a mini game simulator based on "legend of the heros"
- link [mcts-legend-of-heros](#)

SKILLS

PROGRAMMING

Fluent

Python • Golang

Familiar

Java • Scala • Rust

Tasted

C++ • Haskell • Julia

MACHINE LEARNING

DeepLearning

CNN • RNN/LSTM • GAN

Pytorch • Theano

Data Science

Data Processing • Feature Engineering •

Hive • Hadoop • Spark

OTHERS

Git • Emacs • Arch • LaTeX •

Nodejs/HTML/CSS

EXPERIENCE

DIDI CHUXING MACHINE LEARNING ENGINEER

June 2016 - July 2017 Beijing

- responsibility judgment system
 - judged of passenger/driver responsibility for canceled/complained orders.
 - Used Hive, Spark to collect and analysis orders' data.
 - Used LR model to make the classification of passengers and drivers.
 - Used Feature selection & AB test to improve the performance of models.
 - Auc Score: 80%
 - Python, Scala, Spark, Hive, Bash
- online judgment system
 - Built up pipeline among the offline models and real-time canceled orders.
 - Model->OrderData->Log->Hive->Model recycle, update per day.
 - Loose-coupling modules and pipeline designed for multi models and multi feature sets.
 - Golang, RocksDB, Thrift

XIAOMI SOFTWARE ENGINEER

2013 - 2014 Beijing

- Developed Miliiao Group Chat
- Developed Antispam System
- Java, Maven, Thrift, HBase, Scribe

GEEKPARK SOFEWARE ENGINEER

Aug 2012 - Sep 2012 Beijing

- PHP Developer
- PHP, Sublime

RESEARCH

NATIONAL LAB.OF INTELLIGENT TECHNOLOGY & SYSTEMS, TSINGHUA UNIVERSITY | RESEARCH ASSISTANT

2015 - Feb. 2016 | Tsinghua University

- Microblog Analysis
 - sentence-level sentiment classification
 - Captured the context of microblogs
 - proposed edge features to represent information among the parent microblog and corresponding children microblogs
 - Used CRF-SVM model to conduct the task, 2% performance improved
- Dialogue Act Analysis
 - Deep learning approaches on DA classification for sequence data
 - Used RNN, LSTM and variations to capture the context
 - 3% performance improved
 - Python, Theano

SOCIETIES

2015 Machine Learning Summer School. Kyoto (MLSS2015 Kyoto)

2014 International Conference on Machine Learning (ICML 2014)