

陈帝羲 Dixi Chen

Tel: +86-18580344667 | Email: cdxcqu2014@163.com | chen-dixi.github.io



EDUCATION BACKGROUND

Beijing University of Posts and Telecommunications

09/2018-06/2022

- Master of Computer Science and Technology; GPA: 86.75 /100
- Research Area: Deep Learning, Transfer Learning, Domain Adaptation
- Honors:
 - ✧ National Scholarship Nov 2020

Chongqing University

09/2014-06/2018

- Bachelor of Computer Science and Technology; GPA: 85.56/100

PUBLICATION

Learning Likelihood Estimates for Open Set Domain Adaptation, 2020 IEEE International Conference on Multimedia and Expo (ICME), CCF-B, (Oral Presentation) [DOI: 10.1109/ICME46284.2020.9102713](https://doi.org/10.1109/ICME46284.2020.9102713)

Haiyang Zhang; **Dixi Chen**; Liang Liu, Date of Conference: 6-10 July 2020

INTERNSHIP

Microsoft Research Asia | *Research Intern*

11/2021-03/2022

- [AI for Science]

Kuaishou Inc. | *Software Engineer Intern*

05/2021-09/2021

Main tools: Java, Redis, HBase, Kafka, Domain-Driven Design, Spring Boot, Spring Cloud Gateway

- Participate in the development of E-commerce Open Platform, providing rate limit configuration for API interfaces.
- Participate in the Full Link Log System, transfer log information from API Gateway to Log System with Kafka, then save index and log detail to Elasticsearch and HBase separately. Connect all the network messages of the same source request using x-request-id in Http Header.

Microsoft STCA | *Software Engineer Intern*

11/2020-05/2021

Main tools: C#, Net Core, MongoDB, Redis, Domain-Driven Design, Elasticsearch

- Participate in the development of Carina Dialog System with ABP framework, achieve asynchronous conversation data persistence during human-bot conversation.
- Build static dialog flow for enterprise customized conversation scenarios using *NRules*, an open-source production rules engine.
- Record and visualize the user's dialog activities using Elasticsearch and Kibana

PROJECTS EXPERIENCE

Distributed Key-Value database based on Raft

[Personal project]

- Implement leader election, Log replication and snapshot of Raft protocol.
- Implement a distributed Key-Value database that supports fragmentation and snapshot based on raft protocol.
- Code was released at GitHub: <https://github.com/Chen-Dixi/MIT6.824>

Operating System Kernel of the mini-OS XV6

[Personal project]

- Use page-fault exceptions to implement lazy allocation and copy-on-write fork, making memory allocation strategy more efficient.
- Implemented a primary context switching between user-level threads in user space to take advantage of multiple threads mechanism.
- Add large files and symbolic links to xv6 file system.
- Code was released at GitHub: <https://github.com/Chen-Dixi/xv6-labs-2020>

Color Kit | iOS Indie App

[Persona project] [Indie App]

- Developed the iOS software independently, and the software ranked the top 5 of the 'Reference Category' in APP Store
- Its downloads surpassed 10 thousands, and the software is recommended by the media *Price Tag*
- Code was released at GitHub: <https://github.com/chen-dixi/ColorKit>

SKILLS LIST

Backend Development: C#, Java, Golang

iOS Development: Swift

Machine Learning: PyTorch

Open-Source Tools: Git, Docker, Kubernetes, MySQL, Redis, Protobuf, MongoDB

Languages: IELTS 6.5