Yanning Chen

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Education

Shanghai Jiao Tong University (SJTU)   Sept. 2019 - June. 2023 (expected)

- Shanghai, China
- Bachelor of Computer Science
- GPA 85.8 / 100, Ranking 30 / 99 (first 1 year)

Projects

An IoT platform for monitoring indoor air quality   Oct. 2019 - Dec. 2019

Course Project   A full stack project. Support closed-loop control and state management.   [Code]

- Use document-based database to persist data and dispatch events.
- First time working on an embedded system and coping with an SPI interface using Python.
- Gain basic knowledge of frontend development with Vue.js.

A general chatbot framework based on PyTorch   Aug. 2020

Individual Project   A docker-based, stateless framework for sentence training and inference.   [Code]

- Seperate models, parsers and configs from framework core for generalized data processing and persistence.
- Implement a simple RNN regression model and an attention based Seq2Seq LSTM model for text generation.
- Gain basic experience in how to train a DL model and how to use docker & k8s to deploy stateless services.

A flexible social media account tracker   Apr. 2020 - Present

Project Owner   A full-stack, plugin-based social media account tracking system.   [Code]

- Use abstract data provider, storage implementation and management interface in its core making migration and adding/modifying functions rapid and easy.
- Beginner's experience in writing frontend with React in a functional way.
- Gain basic experience of asynchronous programming and message dispatching.

FeelUOwn   Mar. 2019 - Present

Contributor   A user-friendly and hackable music player written in Python.   [Code]

- Propose a more general data serializer that were partially merged into mainline.
- Optimized internal playlist container. Achieved a 1000% performance boost.

Experience

Maintainer, SJTUG Mirror   July. 2020 - Present

SJTUG Mirror is a software registry mirror maintained by SJTUG (SJTU Linux User Group). I'm dedicated to maintaining Archlinux-related repositories.   [Website]

Maintainer, SJTU Plus   Sept. 2020 - Present

SJTU Plus is an student organization in SJTU that aims at providing online utilities for SJTUers to make their life easier.   [Website]