

Jiawei Li

Research Assistant



06,09,1995



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Shenzhen, CH



EDUCATION

2017.08–2018.11

HKUST

BigData Technology

M.S.

1. Learned basic and developed skill about spark including spark SQL, milib and streaming;
2. Got familiar with framework of AI project like tensorflow, keras and mxnet;
3. Have some experiences in Reinforcement Learning.

2013.09–2017.07

Hunan University

Software Engineering

B.S.

1. Was awarded scholarships for three consecutive years in college(2014-2017);
2. Was awarded Third Prize of Hunan Province in "Internet accelerated speed" innovation and Entrepreneurship Competition(06.2015-10.2017)



PROJECT EXPERIENCE

2018.02–2018.06

Q-Learning based self-driving car

python(with keras/pymunk)

Responsibilities:

- Using reinforcement learning algorithm and Pymunk and Pygame as simulation environment, a car is designed to detect the surrounding environment, so that it can automatically avoid static and mobile buildings in the process of moving.
- Based on Q-Learning algorithm, the reasonable calculation method of status and reward is determined. Combining with the idea of experience playback in DQN, the input network of storage status, action and reward is built, and the ratio of exploration and utilization in enhanced learning is adjusted.

Achievement

After 20,000 training sessions, it can basically achieve collision-free accelerated movement.



INTERNSHIP EXPERIENCE

2018.07–2018.09

Shenzhen Globalegrow E-commerce Co., Ltd

Algorithm engineer

Responsibilities:

- Responsible for researching the application and landing of in-depth reinforcement learning in commodity recommendation scenarios; Improving CRT, PV/UV and other indicators on the basis of collaborative filtering
- With the M-terminal of ZAFUL mall (including APP and mobile web) as the core data source, the feature data (mainly the click behavior information of the user to the commodity) is read from the HIVE log manager of the system, and stored in Mango DB after data cleaning and aggregation to complete data pre-selection.

Achievement

Compared with traditional collaborative filtering algorithm, the recall rate of M-terminal CTR has been improved significantly.



WORKING EXPERIENCE

2018.09–now

SF Technology Co., Ltd

AI&ML Algorithm engineer

Responsibilities:

- During the period of business decision-making and analysis group, I led and constructed the construction and development of intelligent price decision-making system. Five intelligent decision-making models including price-volume model, ladder discount model and pricing model were integrated to provide auxiliary suggestions for the first-line pricing strategy.
- Participate in the ladder discount strategy customization project, analyze the characteristics of customer groups from the massive monthly customer information, and give the most suitable logistics discount quotation based on the actual situation of customers.
- Assist the School of Business of the Chinese University of Hong Kong to collate and analyze the impact of logistics data on portfolio, and help them to find out the impact of logistics products on the operation of enterprises in the process of circulation.