

范淼

1991 年 11 月生人

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个人照片



教育背景

百度 & 清华大学

软件工程 联合培养博士后

2017-2019

清华大学

计算机科学与技术 工学博士

2012-2017

纽约大学 & 清华大学

计算机科学 联合培养博士

2015-2016

北京邮电大学

软件工程 工学学士

2008-2012

工作经历

百度

当前职级: T8

2017.7-至今

- 入选多个 30 岁以下青年 AI 人才计划; 全面负责基于地图时空大数据的检索、推荐以及商业变现的算法策略
- 发表国际顶级会议 (CCF-B 级别以上) 第一作者论文 8 篇; 申请国际、美国、中国专利 37 项; 出版技术专著 (第一作者) 1 部

核心项目（部分）

百度地图-个性化 POI 检索自动补完 (POI Auto-Completion)

项目负责人

- 研发百度地图在 POI 搜索自动补完场景下的个性化实现，达到“千人千面，甚至单字符”即可自动补全 POI 的检索提示效果
- 收益为：影响近 80% 的百度地图检索流量，带来 NDCG@(1,3) 分别为 8.51%, 8.36% 的绝对提升，用户输入字符串长度缩减 4.21%
- 2019 年百度 AIG 体系技术应用奖获奖项目

百度凤巢-CTR 模型优化

研究合作者

- 探索知识蒸馏对于百度商业搜索在长尾查询词的 CTR 的增益
- 收益为：商业搜索平台营收绝对提升 CPM 3.8%
- 研究成果发表在 KDD'19

百度知道-大规模同义问句鉴别

研发负责人

- 研发百度知道全新的全局语义匹配深度学习模型
- 收益为：同义问题自动辨识系统能力绝对提升 5.62% AUROC
- 研究成果发表在 CIKM'18

发表论文（部分）

MOBIUS: Towards the Next Generation of Query-Ad Matching in Baidu's Sponsored Search

KDD'19

MIAO FAN, JIACHENG GUO, SHUAI ZHU, SHUO MIAO, MINGMING SUN, PING LI

<https://dl.acm.org/citation.cfm?id=3330651>

MONOPOLY: Learning to Price Public Facilities for Revaluing Private Properties with Large-scale Urban Data

CIKM'19

MIAO FAN, JIZHOU HUANG, AN ZHUO, YING LI, PING LI, HAIFENG WANG

<https://dl.acm.org/citation.cfm?id=3357810>

Reinforced Product Metadata Selection for Helpfulness Assessment of Reviews

EMNLP'19

MIAO FAN, CHAO FENG, MINGMING SUN, PING LI

<https://www.aclweb.org/anthology/D19-1177>

Large Margin Prototypical Network for Few-shot Relation Classification with Fine-grained Features

CIKM'19

MIAO FAN, YE QI BAI, MINGMING SUN, PING LI

<https://dl.acm.org/citation.cfm?id=3357810>

Product-Aware Helpfulness Prediction of Online Reviews

WWW'19

MIAO FAN, CHAO FENG, LIN GUO, MINGMING SUN, PING LI

<https://dl.acm.org/citation.cfm?id=3313523>

Reading Customer Reviews to Answer Product-related Questions

SDM'19

MIAO FAN, CHAO FENG, MINGMING SUN, PING LI, HAIFENG WANG

<https://epubs.siam.org/doi/abs/10.1137/1.9781611975673.64>

A Globalization-Semantic Matching Neural Network for Paraphrase Identification

CIKM'18

MIAO FAN, WUTAO LIN, MINGMING SUN, YUE FENG, PING LI

<https://dl.acm.org/citation.cfm?id=3272004>

Distant Supervision for Relation Extraction with Matrix Completion

ACL'14

MIAO FAN, DELI ZHAO, QIANG ZHOU, ZHIYUAN LIU, THOMAS FANG ZHENG, EDWARD Y. CHANG

<https://aclweb.org/anthology/P14-1079>

出版书籍

《Python 机器学习及实践：从零开始通往 Kaggle 竞赛之路》

清华大学出版社

范淼、李超 编著

2016年10月

<https://item.jd.com/11983227.html>

申请专利（部分）

Comment Assessing Method, Device, Equipment and Storage Medium

国际专利

MIAO FAN, YUE FENG, MINGMING SUN, PING LI, HAIFENG WANG

申请号: PCT/CN2018/104816

<https://patents.google.com/patent/W02019153737A1>

Information Retrieval Method, Apparatus and Device, and Computer Readable Medium

国际专利

MIAO FAN, JINXING YU, ZEHAO DOU, MINGMING SUN, PING LI, HAIFENG WANG

申请号: PCT/CN2019/077068

<https://patents.google.com/patent/W02019242328A1>

Method, Apparatus and Device for Updating Model Parameter, and Storage Medium

国际专利

MIAO FAN, YUE FENG, MINGMING SUN, PING LI

申请号: PCT/CN2019/077166

<https://patents.google.com/patent/W02019201024A1>

Method and Apparatus for Building Synonymy Discriminating Model AND Method and Apparatus for Discriminating Synonymous Text

美国专利

MIAO FAN, MINGMING SUN, WUTAO LIN, PING LI

申请号: 16/118,104

<https://patents.google.com/patent/US20190095429A1>

Method, Apparatus for Evaluating Review, Device, and Storage Medium

美国专利

MIAO FAN, YUE FENG, MINGMING SUN, PING LI, HAIFENG WANG

申请号: 16/421,921

<https://patents.google.com/patent/US20190287142A1>

Method and Apparatus for Determining Response for User Input Data, and Medium

美国专利

MIAO FAN, CHAO FENG, MINGMING SUN, PING LI, HAIFENG WANG

申请号: 16/459,282

<https://patents.google.com/patent/US20200012650A1>

Method and Device for Information Retrieval, Device and Computer Readable Storage Medium

美国专利

MIAO FAN, ZEHAO DOU, MINGMING SUN, PING LI, HAIFENG WANG

申请号: 16/459,913

<https://patents.google.com/patent/US20200012697A1>

Method and Apparatus for Presenting Information

MIAO FAN, LIN GUO, CHAO FENG, MINGMING SUN, PING LI, AND HAIFENG WANG

美国专利

申请号: 16/670,814

Method and Apparatus for Generating Information Assessment Model

MIAO FAN, SEN YE, CHAO FENG, MINGMING SUN, PING LI, AND HAIFENG WANG

美国专利

申请号: 16/700,593

Method and Apparatus for Responding to Question, and Storage Medium

MIAO FAN, CHAO FENG, MINGMING SUN, PING LI, HAIFENG WANG

美国专利

申请号: 16/706,218

Method, Apparatus, Device and Storage Medium for Evaluating Quality of Answer

MIAO FAN, YUE FENG, CHAO FENG, MINGMING SUN, PING LI, AND HAIFENG WANG

美国专利

申请号: 16/709,304

Method, Apparatus, Computer Device and Readable Medium for Knowledge Hierarchical Extraction of a Text

MIAO FAN, SEN YE, MINGMING SUN, PING LI, AND HAIFENG WANG

美国专利

申请号: 16/713,062

学术服务（部分）

Industry Track

联席主席 (CO-CHAIR)

<http://asonam.cpsc.ucalgary.ca/2020/committee.php#org-committee>

IEEE&ACM ASONAM'20

2020年8月

Baidu's AI Technology

赞助演讲 (SPONSORSHIP SPEECH)

<https://www2018.thewebconf.org/sponsors-track/>

WWW'18

2018年4月