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JD CAMPUS CLASS 2021

A NEW ERA OF THE DEVELOPMENT OF JD'S AUTONOMOUS DRIVING AND TECHNICAL TALENTS

Qi Kong Chief Scientist and Head of Autonomous Driving Business of JD Logistics

As a PhD in Artificial Intelligence from Shanghai Jiaotong University， Doctor Kong used to be the chief software architect of Baidu in Silicon Valley. He has successively built up Baidu data warehouse and image search advertising system and devoted to the field of autonomous driving at very early stage. Not only led the team to realize the unmanned delivery on open roads with L4 autonomous driving technology, he also pioneered the design and development of core technology such as macroscopic gradient descent decision planning algorithm framework, decision algorithm based on inverse reinforcement learning and automatic calibration algorithm for power parameters of mass production vehicles, wherefore took the lead in the implementation of JD Logistics' intelligent industry landing, realizing the landing of autonomous driving operations without safety officers on open roads.

Doctor Liu JD Doctoral Management Trainee   (DMT 2nd)

Doctor Liu, the postdoctoral researcher at Duke University and Carnegie Mellon University, joined JD.com in 2018 as a doctoral trainee, who engaged in data mining in logistics scenarios, and published nearly 20 papers in top journals and conferences in the computer science and electronics fields.

Doctor Zhang JD Doctoral Management Trainee (DMT 3rd)

2019 PhD graduate from the Institute of Computing Technology of the Chinese Academy of Sciences. After graduation, Doctor Zhang joined JD.com and took charge of NLP related work. In addition, she continued related scientific research such as publishing IJCAI2020 and instructing master's students to publish SIGIR2020 papers.

In this sharing, we will take the development and application of autonomous driving in JD.com as the starting point to introduce to the technical history and experience of JD.com. On top of that, the technical talent view of JD.com and the career path of doctoral management trainees will be explained in detail. Let us explore new opportunities for future technological development together.

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京东燃系课堂2021第一期

京东自动驾驶及技术人才发展新纪元

Qi Kong 京东物流自动驾驶首席科学家及自动驾驶业务负责人

上海交通大学人工智能博士，曾任百度硅谷主任架构师，先后搭建了百度数据仓库、图片搜索广告系统，在自动驾驶兴起早期加入自动驾驶研究。带领团队实现了开放道路下无人配送L4自动驾驶技术，曾主导设计研发了目前广泛使用的宏观梯度下降决策规划算法框架、基于逆增强学习的决策算法、量产车动力参数自动标定算法等核心技术，并在京东物流的智能产业落地中率先实践，实现了开放道路下无需安全员的自动驾驶运营落地。

Doctor Liu 京东博士管培生（DMT2届）

杜克大学及卡内基梅隆大学博士后研究员，2018年以博士管培生身份加入京东，从事物流场景下数据挖掘方向工作，在计算机和电子领域顶级期刊和会议有近20篇论文发表；并推动物流场景中的智能化商家管理，用户关系维护，物流产品营销，仿真数据分析等工作，目前已经在多个应用中落地。

Doctor Zhang 京东博士管培生（DMT3届）

中科院计算所2019届博士毕业生，毕业后加入京东，负责NLP相关工作，包括："推荐理由核心卖点生成"提升系统点击率、"商品标题优化"提升用户体验、"智能文案生成"提升系统效率等。此外，也依然在继续相关科研工作，工作期间发表了IJCAI2020长文，以及指导硕士同学发表SIGIR2020论文。

本次分享，我们将从自动驾驶在京东的发展应用为基点，向各位同学系统介绍京东的技术历程和经验；并与大家详细解读京东技术发展人才观，以及分享京东博士管培生的发展路径，共同探讨未来技术发展新机遇。

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