



黄少远

博士四年级， 智能与计算学部-计算机科学与技术专业， 天津大学， 天津市
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研究领域

- 云网性能感知与负载预测
- 边缘云调度优化
- 大模型推理服务系统

教育经历

- 国家公派交流博士 (2024-2025) King's College London (QS 31) 工程系, (导师: [Professor Yansha Deng](#))
- 硕博连读 (2020-至今) 天津大学 智能与计算学部-计算机科学与技术专业， 天津 (导师: [王晓飞教授](#))
- 本科 (2016-2020) 天津大学 智能与计算学部-计算机科学与技术专业， 天津

实习经历

- 2021.09-2022.06 算法研发实习, PPIO 派欧云（上海）有限公司
 - 设计基于 Xgboost 和残差学习的负载和利用率预测模型，在三千台服务器数据上准确率达 85%。
 - 参与开发基于负载预测的任务部署推荐系统原型，负责算法集成、数据流自动化和推荐算法组件。

代表论文

截至目前，一作发表论文 8 篇(CCF-A 类 5 篇，B 类 1 篇)，一作在投论文 3 篇（CCF-A 类 3 篇），共参与发表论文 23 篇

■ 代表作：

1. **Shaoyuan Huang**, Zheng Wang, Heng Zhang, Xiaofei Wang, Cheng Zhang, Wenyu Wang, "DynEformer: A Unified Framework for Robust Workload Prediction Under Dynamic Environment," in *IEEE TKDE*, 2026, (JCR-1, 中科院一区, CCF-A, IF:10.4)
2. **Shaoyuan Huang**, Heng Zhang, Xiaofei Wang*, Min Chen, Jianxin Li, Victor C.M. Leung "Fine-grained Spatio-Temporal Distribution Prediction of Mobile Content Delivery in 5G Ultra-Dense Networks," in *IEEE Transactions on Mobile Computing (TMC)*, 2024. (JCR-1, 中科院一区, CCF-A, IF:7.2)
3. **Shaoyuan Huang**, Tiancheng Zhang, Zhongtian Zhang, Xiaofei Wang*, Lanjun Wang, Xin Wang, "MetaEformer: Unveiling and Leveraging Meta-Patterns for Complex and Dynamic Systems Load Forecasting", in *ACM SIGKDD*, 2025, (CCF-A).
4. **Shaoyuan Huang**, Zheng Wang, Zhongtian Zhang and Heng Zhang, Xiaofei Wang*, Wenyu Wang, "Seer: Proactive Revenue-Aware Scheduling for Live Streaming Services in Crowdsourced Cloud-Edge Platforms," in *IEEE INFOCOM*, 2024, (CCF-A).
5. **Shaoyuan Huang**, Zheng Wang, Heng Zhang, Xiaofei Wang*, Cheng Zhang and Wenyu Wang, "One for All: Unified Workload Prediction for Dynamic Multi-tenant Edge Cloud Platforms," in *ACM SIGKDD*, 2023, (CCF-A).

6. **Shaoyuan Huang**, Heng Zhang, Xiaofei Wang*, Min Chen, Jianxin Li, Victor C.M. Leung, "[Spatial-Temporal-Social Multi-Feature-based Fine Grained Hot Spots Prediction for Content Delivery Services in 5G Era](#)," in *ACM CIKM*, 2021, (CCF-B).

■ 最新在投论文:

1. **Shaoyuan Huang**, Zhongtian Zhang, Zheng Wang, Heng Zhang, Xiaofei Wang, and Wenyu Wang, "[Seer: Prediction-Driven Request Scheduling for Revenue Optimization in Crowdsourced Cloud-Edge Live Streaming Services](#)" in *IEEE TMM*, 2026, (CCF-A, IF:7.9)
2. Yuting Li*, **Shaoyuan Huang***, Xiangqi Liu, Yunfeng Zhao, Xiaofei Wang, "[BRIDGE: Block-Wise Speculative Coordination for Cloud-Edge Retrieval-Augmented Generation](#)" in *ACM SIGKDD*, 2026, (CCF-A, 共同一作~2026.5)
3. **Shaoyuan Huang**, Na Yan, Xiaokai Wang, Xiaofei Wang, Hai Jin, Wenyu Wang, Yansha Deng, "[CLIF: Co-Orchestrating for Joint Large Language Model Inference Serving and Fine-tuning in GPU Clusters](#)" in *Eurosys* 2026, (CCF-A, ~2026.9)

参会演讲

- 31st ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2025, Toronto, Canada, 参会并展示
- 44th IEEE International Conference on Computer Communications (IEEE INFOCOM) 2025, London, United Kingdom, 参会并展示
- King's College London, Cloud Computing Seminar, 参与并做 talk
- 43rd IEEE International Conference on Computer Communications (IEEE INFOCOM) 2024, Vancouver, Canada, 参会并展示
- 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (ACM SIGKDD), 2023, Long Beach, CA, USA, 线上参会并展示
- IEEE Global Communications Conference (Globecom), 2023, Kuala Lumpur, Malaysia, 参会并展示
- 30th ACM International Conference on Information and Knowledge Management (ACM CIKM), 2021, 线上参会并展示

学术服务

- 执行主席(PC, AC):
 - IEEE ICDCS Track Program Chair
 - Workshop on Integrating Edge Intelligence and Large Model in Next Generation Networks (IEILM'24, Colocated with INFOCOM'24)
- 组织志愿者:
 - IEEE International Conference on Computer Communications (INFOCOM'25)
 - ACM SIGKDD Conference on Knowledge Discovery and Data Mining (ACM SIGKDD), 2025
- 审稿人:
 - ICML 2026
 - SIGKDD 2023, 2024, 2025, 2026
 - IEEE Transactions on Vehicular Technology (TVT)
 - IEEE Transactions on Mobile Computing (TMC)
 - IEEE Transactions on Machine Learning in Communications and Networking (TMLCN)

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- IEEE Network Magazine
 - Artificial Intelligence Review
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发表专利

申请专利 14 项，已授权专利 9 项，学生二作授权专利 3 项：

- "基于 boosting 算法的边缘云服务器利用率预测方法、预测装置及存储介质",李星星; 黄少远; 王晓飞 CN114721898B
 - "边缘云服务器流失预测方法及装置", 李星星; 黄少远; 王晓飞 CN116016219B
 - "一种基于混合模型的优化边缘云资源的分配方法及系统", 李星星; 黄少远; 王晓飞 CN115576686B
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荣誉奖项

- 2025, 博士生国家奖学金
 - 2025, SIGKDD 会议赞助奖学金
 - 2025, 比亚迪奖学金-比亚迪（全校 27 人，博士 7 人）
 - 2024, CSC 公派留学奖学金-国家留学基金委
 - 2024, 杰出博士-中国计算机学会分布式计算分会（全国 6 人）
 - 2017-2019, 2023 天津大学三好学生 2024, 天津大学优秀学生干部
 - 2021, 2023, 苏州市政府奖学金-苏州市人才小组（全校 20 人，学院 1 人）
 - 2021, 2022, 2023 天津大学一等学业奖学金（5%）
 - 2020, 天津大学优秀毕业生
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技术开源

- 开源模型与数据集
 - [ECAI25 HRS: Hybrid Representation Time Series Forecasting](#)
 - [KDD25 MetaEformer: MetaEformer v1.0 - Initial Release](#)
 - [Edge Cloud Server Latency Measurements](#)
 - [DynEformer: Edge Cloud Server Workload Prediction Framework](#)
 - [ECW: Edge Cloud Server Workload Dataset](#)
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