XUEFENG JIANG

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EDUCATION

Institute of Computing Technology, Chinese Academy of Sciences, Ph.D Student 09/2021 - Present
Major: Computer Science and Technology (GPA: 3.82/4.00)

Lab: Network Technology Research Center & State-Key Lab, supervised by Prof.Liu, Associate Prof.Wang and Associate Prof.Sun.

Beijing University of Posts and Telecommunications, Bachelor's Degree 09/2017 - 07/2021
Major: Network Engineering, School of Computer Science (GPA: 3.69/4.00, Rank top 3%)

RESEARCH

- **Data Quality**: Learning on imperfect data
  - Learning on data with noisy labels: ACM CIKM'22, CIKM'24
  - Learning on long-tailed data with noisy labels: IJCAI'23
- **Distributed Learning across Pervasive Network**: Federated learning and distributed optimization
  - Data Heterogeneity: IEEE TMC, TPDS, INFOCOM'24, IPDPS'23
  - Training Efficiency: IEEE IPDPS'23
- **Autonomous Driving**: SLAM, 3D perception and vision-language models
  - AMD's semantic SLAM system for real-time underground autonomous parking [link]
  - AMD's solution for CVPR 2024 Autonomous Grand Challenge track on driving with language: vision-language models for AutoDrive (we rank 6-th among 152 teams) [link]

OTHER ACTIVITIES

- **Open-source Contribution**:
  - Contributed to an awesome paperlist opensource project Awesome-FL with 1.4k stars up now
  - Contributed as an open-source community volunteer at FedML, a start-up from UCLA
- **Work Experience**:
  - Worked as an algorithm co-op at AMD AI Group (Beijing, China, 10/2022–08/2024) and focused on AI applications for autonomous driving scenarios (semantic SLAM system, 3D perception, vision-language models)
- **Academic Service**:
  - Conference Program committee: ICML, ICLR, NeurIPS, WWW (TheWebConf), AIStats, AAAI, CVPR, ECAI, ICME, KDD workshop, AAAI workshop.
  - Journal Reviewer: IEEE TIV, IEEE TKDE, ACM TKDD, etc.