

# XUEFENG JIANG

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## EDUCATION

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**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

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- **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

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- **Open-source Contribution:**
  - Contributed to a 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.