Zhanpeng Zhou

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EDUCATION

Shanghai Jiao Tong University   Shanghai, China
B.S. Electrical And Computer Engineering , Minor in Data Science   *Sep 2018 – Aug 2022 (Expected)*
- Major GPA: 3.84/4.00, Cumulative GPA: 3.75/4.00, Ranking: 21/246
- Course Works: Probability Theory And Statistics(A+), Methods of Applied Math(A+), Bayesian Analysis(A)

RESEARCH EXPERIENCE

John Hopcroft Center, Shanghai Jiao Tong University   Shanghai, China
Research Assistant   *Sep 2020 – May 2021(Expected)*
- Develop game-theoretic framework to understand adversarial attacks and defense of , i.e. the signal-processing behaviors of DNNs.

WangLab, Shanghai Jiao Tong University   Shanghai, China
Research Assistant, Advisor: Dr. Xudong Wang   *Aug 2020 – Sep 2020*
- Build a Federated Learning prototype system for IoT-based AI.
- Design algorithm to solve service migration problem in multi-access edge computing from a new perspective.

OMNILab, Shanghai Jiao Tong University   Shanghai, China
Research Assistant, Advisor: Dr. Yaohui Jin   *May 2019 – Aug 2020*
- Construct an extensible enterprise knowledge graph based on enterprise investment relationship.

Acemap, Shanghai Jiao Tong University   Shanghai, China
Research Assistant, Advisor: Dr. Xinbing Wang   *May 2020 – Jun 2020*
- Solve the problem of deep knowledge discovery and extraction under the huge and disordered mass graph data.

WORK EXPERIENCE

Xinrun Fulian Digital Technology Co., Ltd.   Shenzhen, China
Product Manager, Software Engineer   *Sep 2020 – Mar 2021*
- Assist the Citic Dicastal plant to complete the transformation of Industry 4.0. Mainly participate in the design of technical solutions for quality adjustment of core process of production based on Artificial Intelligence.

SELECTED PROJECTS

Named Entity Disambiguation in Enterprise Knowledge Graph | *Networkx, Neo4j*   Sep 2020 – Dec 2020
- Apply different node embedding methods (including GCN, node2vec) to deal with named entity disambiguation problem in Enterprise KG.

Food Management Refrigerator | *Python, Keras, OpenCV, HTML/CSS*   Sep 2019 – Dec 2019
- Apply AI-based image recognition technology to identify the food materials entering the refrigerator
- Design mobile phone APP so that end users can easily check the food materials stored in the refrigerator.

SELECTED AWARDS AND HONORS

2020 Nov. John Wu & Jane Sun Excellence Scholarship, Shanghai Jiao Tong University
2019 Dec. First prize of Midea Innovation Competition, Midea Inc.
2019 Aug. Best Technology Award in Summer Design Expo, Shanghai Jiao Tong University
2019 Sep. Third Prize of English Writing Contest, Shanghai Jiao Tong University
2019 May. First Prize of Freshman Robotics Competition, Shanghai Jiao Tong University

TEACHING EXPERIENCE

SU. 2021: Probabilistic Methods in Eng. (VE401), Teaching Assistant, Shanghai Jiao Tong University

TECHNICAL SKILLS

Languages: Python, C/C++, MatLab, R, Mathematica, SQL, Neo4j **Develop Tools**: kubernetes, docker, git
Frameworks: TensorFlow, Pytorch, Keras, networkx **Libraries**: pandas, NumPy, Matplotlib