Fei Wang

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silviafey.github.io

EDUCATION	**Wuhan University**, China	Sep 2016 – Present

- Bachelor of Engineering in Computer Science, Hongyi Honor College
  - Graduate with honors (expected Jun 2020)
  - Cumulative GPA: 89.5/100 3.80 / 4.00

RESEARCH INTERESTS

- Computer Networking
  - congestion control, wireless networks
- Machine Learning
  - broad application, reinforcement learning

RESEARCH EXPERIENCE

Undergraduate Research Assistant	Sep 2019 – Dec 2019

The Edward S. Rogers Sr. Department of Electrical & Computer Engineering (ECE), University of Toronto
- Supervisors: Prof. Baochun Li and Dr. Salma Emara
- Project: Congestion Control Scheme Based on Deep Reinforcement Learning
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Undergraduate Research Assistant	May 2018 – Aug 2019

School of Computer Science, Wuhan University
- Supervisors: Prof. Yanjiao Chen
- Project: Congestion Control Scheme Based on Deep Reinforcement Learning
  - Employed deep reinforcement learning algorithms such as deep Q-network in the field of designing congestion control schemes
  - Evaluated our scheme compared with state-of-the-art TCP variants like PCC Vivace and Copa utilizing the mahimahi and Pantheon platforms

PUBLICATIONS

Zhenchang Xia, Yanjiao Chen, Fei Wang, Xudong Liao, Haiyan Hu, Chengye Ma, Jingzhi Zhang, Baochun Li, and Libing Wu, "Glider: Rethinking Congestion Control with Deep Reinforcement Learning," *Under review*, Aug 2019.

LEADERSHIP & TEAMWORK

Independent Project in 2019 Interdisciplinary Contest in Modeling (ICM)	Jan 2019

- Co-Leader
- Project: Pedestrian Evacuation in the Louvre
  - Analyzed pedestrians' behaviors in emergency evacuation considering the effect of crowd traits and architectural characteristics using cellular automata simulation, and developed the queuing models to detect potential bottlenecks
  - Proposed corresponding policy and procedural recommendations for effective emergency evacuation management of large, crowded buildings

ADMINISTRATIVE EXPERIENCE

Vice-President, Hongyi Honor College Students' Union, Wuhan University	Jun 2017 – Jun 2018

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Counsellor Assistant, Hongyi Honor College Office, Wuhan University	Sep 2018 – Jun 2019

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AWARDS & SCHOLARSHIPS

- Excellent Student Cadre, Wuhan University — 2018
  For outstanding leadership and cooperation skills in student affairs.

- Overseas Scholarship, Wuhan University — 2018
  For active performance in international academic exchanges.

- Outstanding Student Scholarship, Second Prize (top 10%), Wuhan University — 2016 & 2017 & 2018
  For excellent academic achievements.

SKILLS

Python, Java, C, C#, LaTeX, MATLAB, SQL, HTML, CSS

REFERENCES

- **Professor Yanjiao Chen**
  Network Economics, Wireless and Mobile Networks, Crowdsourcing, Cloud Computing
  School of Computer Science
  Wuhan University
  E411, Bayi Road, Wuchang District 430072, China
  chenyanjiao@whu.edu.cn • +86 (027) 68773612

- **Professor Lefei Zhang**
  Pattern Recognition, Machine Learning, Image Processing, Remote Sensing
  School of Computer Science
  Wuhan University
  A509, Bayi Road, Wuchang District 430072, China
  zhanglefei@whu.edu.cn • +86 (027) 68775617