

# Fuying Wang

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## EDUCATION

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**Tsinghua University**, Beijing Sept.2015-Jul.2019

- Bachelor of Science in Electronic Engineering, GPA: 3.33/4.00, Junior GPA: **3.51/4.00**
- Relevant Courses: Operating System (A-/3.7), Signals and Systems (A-/3.7), Digital Signal Processing (A-/3.7), Quantum Mechanics and Statistical Mechanics (A/4.0), Database (A/4.0), Physics for Scientists and Engineers A(2) (A/4.0)

## PUBLICATIONS

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Ping Liu, Yu Chen, **Fuying Wang**, Xiaohui Nie, Ming Zhang, Jing Zhu, Dan Pei,  
“FluxRank: Automatically Localizing Root Cause Machines for Failure Mitigation”, USENIX  
ATC 2019, (**under review**)

## RESEARCH EXPERIENCE

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**Artificial intelligence for IT Operation** | Department of Computer Science | THU

Advisor: Associate Professor Dan Pei Nov.2018 - Present

- Accomplished the alert event prediction using algorithms of FP-growth and HSMM.
- Contributed to the work of FluxRank which can automatically localize root cause machines.
- Reproduced and improved the algorithm of FTTTree, an accurate log template extraction algorithm based on word frequency.

**Face Recognition and Generation** | Department of Automation | THU

Advisor: Associate Professor Jiwen Lu Oct.2017 – Sep.2018

- Training Sphreface model and evaluated it on the LFW dataset and the Megaface dataset.
- Evaluated Sphreface, Arcface and VGGFace2 models on the IJB-A dataset using the algorithm of Template Adaptation.
- Completed comparison experiments of Uniformface and Sphreface on the YTF dataset.
- Reproduced the result of DR-GAN and improving it on the feature fusion part.

**Mobile Intelligence and Emotional Computing** | Software Institute | THU

Advisor: Associate Professor Yuan He Dec.2016 – Dec.2017

- Detected and recognized human movement using Wi-Fi channel state information (CSI).
- Completed the experiment of gesture recognition by using Linux 802.11n CSI Tool.
- Making a demo which combined gesture recognition and human-computer interaction by the head-mounted VR. I have completed the gesture recognition part.

## SELECTED AWARDS

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- Academic Excellence Scholarship (Top 20%) Oct.2018
- National Inspirational Scholarship (Top 30%) Oct.2016
- Freshmen first-class scholarship of Tsinghua University (Top 5%) Oct.2015

## SKILLS

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**Programming languages:** Python, C/C++, Scala, Matlab

**Tools:** Pytorch, Caffe, Tensorflow, Spark, Qt, Flask