

# YIFENG CAO

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## EDUCATION

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### Georgia Institute of Technology

PH.D. IN COMPUTER SCIENCE

Sept. 2019 -

- Supervised by Dr. Ashutosh Dhekne
- GPA: 4.0/4.0

### Shanghai Jiao Tong University

M.S. IN COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

Sept. 2017 - Aug. 2019

- Supervised by Dr. Linghe Kong in Advanced Network Laboratory

### Shanghai Jiao Tong University

B.S. IN COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

Sept. 2013 - Jun. 2017

- Research Assistant in Advanced Network Laboratory from 2016

## PUBLICATIONS

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### Mobicom 2020 Poster

Homecoming: A Wireless Homing Device for UAVs

Yifeng Cao, Ashutosh Dhekne

### ICNP 2020

6Fit-A-Part: A Protocol for Physical Distancing on a Custom Wearable Device

Yifeng Cao, Ashutosh Dhekne, Mostafa Ammar

### ICNP 2019

Forward the Collision Decomposition in ZigBee

Yifeng Cao\*, Zhe Wang\*, Linghe Kong, Guihai Chen, Jiadi Yu, Shaojie Tang, Yingying Chen

### ICPADS 2018

Stop Unauthorized Access to Your Smart Devices

Yutong Liu, Linghe Kong, Yifeng Cao, Vahan Sarafian, Long Cheng and Guihai Chen

### ICNP 2017

Mrs. Z: Improving ZigBee throughput via multi-rate transmission

Yifeng Cao, Linghe Kong, Liang He, Guihai Chen, Min-You Wu, Tian He

### ICPADS 2016

EHR: Routing Protocol for Energy Harvesting Wireless Sensor Networks

Yifeng Cao, Xiao-Yang Liu, Linghe Kong, Min-you Wu, Muhammad Khurram Khan

## WORKING EXPERIENCE

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### Tencent

May, 2019 - July, 2019

INTERNSHIP, SOFTWARE ENGINEERING

- Game server development, including game logic, TCP/IP communication, etc.
- Zookeeper study.

## PROJECT

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### Real-time Physical Distancing system: 6Fit-a-part

Summer, 2020

- A wearable device enabling accurate and real-time peer-wise physical distancing.
- Being capable of detecting occlusion.

### ZigBee's Multi-rate Transmission System: Mrs.z

Spring, 2017

- Enabling multi-rate transmission and rate adaptation in ZigBee.

## TEACHING EXPERIENCE

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Gatech CS3251 Computer Network, TA

Spring, 2021

SJTU CS356 Operating System Experiment, TA

Spring, 2018

SJTU CS154 C++ Programming, TA

Fall, 2018

## HONOR & AWARD

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National Scholarship for Graduates, SEIEE, SJTU

2018

Class-A Scholarship for Graduates, SEIEE, SJTU

2017-2018

Class-B Scholarship, SEIEE, SJTU

2014