Cheng Fang

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EXPERIENCE

Rutgers University, New Brunswick — *Full time GA*

Feb. 2020 – Jan. 2021 and June 2021- present

Research in the direction of Distributed optimization/machine learning over the networks.

Rutgers University, New Brunswick — *Full time TA*

Jan. 2021 – June 2021

Teaching assistance in Digital Electronics class. Running and organizing labs.

EDUCATION

Rutgers University, New Brunswick — Bachelor and *PhD in progress*

Sep.2014- May 2017 and Sep. 2019 - present

Major: Electrical and computer engineering. GPA: Bachelor 3.8/ PhD 4.0

University of California Los angles, Los angles — *MS*

Sep. 2017 – Dec. 2018

Major: Circuits and Embedded systems. GPA: 3.5

PUBLICATIONS

1. Cheng fang, Zhixiong yang and Waheed U. Bajwa. BRIDGE: Byzantine-resilient Decentralized Gradient Descent. 2022. In submission.

PROJECTS

Real-time Street Sign Recognition — *Undergraduate*

CNN trained on Lisa traffic sign dataset to achieve approximately 90% accuracy on stop signs and 70% on other signs such as yield signs.

SKILLS

• Mathematical and Statistical skills in optimization of higher dimensional data.

• Python, R, C++ and Matlab.

• Analog/digital circuit design.

AWARDS

• Dean's list (2014-2017)

• Graduate with the highest honor (2017)

LANGUAGES

• Chinese

• English

• Shanghainese