

# Shengjun(Daniel) Zhang

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## Research Interests

I am interested in control theory, machine learning, deep reinforcement learning, distributed optimization, connected autonomous vehicles. Current projects including applying deep reinforcement learning to robotics control, developing distributed optimization for connected autonomous vehicles, and simulating different algorithms dealing with packet drop.

## Education

Ph.D. Student, Department of Electrical Engineering, University of North Texas 2018 – current.

M.S. Electrical Engineering, New York University, New York, NY 2017.

GPA: 3.7 / 4.0

B.S. *Automation of Honors Program*, China Agricultural University, Beijing, China 2014.

GPA: 3.53 / 4.0

## Research

### Current Projects

Research Assistant for CPES (Cyber-Physical Energy System Laboratory) under the direction of Prof. Tao Yang at University of North Texas. (2018 – current)

### Past Projects

Research Assistant for Integrated Mobile Platform Project under the direction of Prof. Farshad Khorrami at CRRL (Control/Robotics Research Laboratory), New York University. (2016 – 2016)

## Skills

### Programming

Matlab, Java, C++, Python, Embedded C, Assembly language, ROS

## Methods

NYU Classes: System Optimization, Linear Systems, State Space Design, Digital Signal Processing,  
Sensor Based Robotics(V-Rep)

University of California, Berkeley Classes: Deep Reinforcement Learning(CS 294, Fall 2017)

Courera Course Certifications: Machine Learning(License NNBCAXYFA2HK, Jul 2016)

Last updated: April 17, 2018