

# Jiuhong Xiao

(917)353-3447 • jx1190@nyu.edu

## EDUCATION

### M.S. in Computer Science

2020 - Present

*New York University (NYU)*

### B.Eng. in Intelligence Science and Technology

2015 - 2019

*University of Science and Technology Beijing (USTB)*

- GPA: 87.2/100.0, Major GPA:89.9/100.0.
- Excellent Award of Undergraduate Thesis.

## RESEARCH EXPERIENCE

### TAB-IOL: Real-Time Pose Estimation and Tracking for Multiple Fish-Like Robots

2019

Tianhao Zhang\*, Jiuhong Xiao\*, Liang Li, Chen Wang, Wei Wang, Guangming Xie  
Submitted.

### Real-time Pose Estimation and Tracking of Multiple Fish-like Robots: A Marker-less Method using Deep Neural Networks

2019

Tianhao Zhang\*, Jiuhong Xiao\*, Liang Li, Chen Wang, Wei Wang, Guangming Xie  
Submitted.

### Image Encryption Algorithm Based on Memristive BAM Neural Networks

2018

Jiuhong Xiao, Weiping Wang, Meiqi Wang

IEEE 3rd International Conference on Data Science in Cyberspace (DSC 2018), p205-212, July 16, 2018.

### The Stability of Memristive Multidirectional Associative Memory Neural Networks With Time-varying Delays in the Leakage Terms via Sampled-data Control

2018

Weiping Wang, Xin Xiao Yu, Xiong Luo, Long Wang, Lixiang Li, Juergen Kurths, Wenbing Zhao, Jiuhong Xiao

PLoS One, Volume: 13, Issue: 9, Pages: e0204002, September 24, 2018.

## TEACHING EXPERIENCE

### Tutor of Arduino

2016 - 2017

*USTB Innovation Technology Center*

- Taught Arduino programming to high school students and helped develop Arduino-based projects with MP3 module, LED module, etc.

## PROJECT EXPERIENCE

### Object Identification System Based on Speech Feedback 2018

*"Huawei Cup" Intelligence Design Contest*

- Detected the location and category of various objects by the object detecting system based on TensorFlow.
- Improved the accuracy or added new categories via the user's speech feedback.

### CT Image Reconstruction System 2017

*National Mathematical Modeling Competition*

- Used MATLAB to find out the center and rotation of CT scanner based on one projected image.
- Reconstructed CT image based on the filtered back-projection (FBP) algorithm.

## PROFESSIONAL EXPERIENCE

### Intern in Product Department 2018

*Ablecloud Co., Ltd*

- Developed mobile APP, cloud server and embedded module of smart home lamps.
- Offered technological support for car networking.

### Intern of Software Engineer 2017 - 2018

*Beijing Beike Xinxing Science and Technology Co., Ltd*

- Developed full-stack work including front-end web pages, back-end data processing and MySQL data organization.
- Constructed cluster visualization based on D3 tools.

## HONORS AND AWARDS

Third Prize, "Huawei Cup" Chinese College Students Intelligence Design Contest 2018

People's Scholarship, USTB 2015 - 2018

First Prize, Mathematical Modeling Competition, Beijing 2017

Excellence Award, Boer National College Students Innovation Entrepreneurship Competition, Beijing 2017

Second Prize, Sensor Design Competition, USTB 2016

Third Prize, iCAN International Contest of Innovation, China 2016