Jiuhong Xiao

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EDUCATION

B.Eng. in Intelligence Science and Technology   **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   **2019**
Method using Deep Neural Networks
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   **2018**
With Time-varying Delays in the Leakage Terms via Sampled-data Control
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.

TECHNICAL COMPETENCIES

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