Jiuhong Xiao

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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   **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.

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.

TECHNOLOGY COMPETENCE

Proficient: Python, tensorflow, keras
Skilled: C++, Java, opencv, pytorch, Matlab
Known: JSP, MySQL

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   **2017**
Competition, Beijing
Second Prize, Sensor Design Competition, USTB   **2016**
Third Prize, iCAN International Contest of Innovation, China   **2016**