

# Resume | Yuan Li

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## EDUCATION

**New York University -- New York, United States** *Sep 2019-May 2021(Expected)*

*Master of Computer Science and Engineering*

**Tongji University -- Shanghai, China** *Sep 2015-Jun 2019*

*Bachelor of Software Engineering*

**GPA: 3.87 / 4.0**

## INTERNSHIP

**National Instruments Corporation** *Sep.2018-Dec.2018*

*Intern, NISH Machine Learning Team, R&D Department*

- Conceptualized and implemented a more efficient algorithm for fault detection of rotating machinery based on 1D-CNN.
- Made a great improvement of 2.24% over baseline result leveraging Mel-frequency cepstral coefficients and Convolutional neural network.

**Microsoft (Shanghai)** *Jul.2018-Aug.2018*

*Intern, R&D Department*

- Converted Tab files to SQL server format in Azure Data Factory.
- Assisted the mentor to complete the optimization of the code of iteration 4 in Q2 (second quarter).
- Analyzed table data from Azure Data Factory and got data distribution by visualization in python.

## EXPERIENCE

**Prostate Cancer Classification for Few-shot Learning** *Feb.2019-Jun.2019*

*Artificial Intelligence and Smart Medical Lab, Tongji University*

- Developed a novel Deep learning framework, achieving an excellent result compared to other solutions on the dataset provided by the PROSTATEx Challenge.
- Outperformed other traditional neural networks with 5.2x speedup and 4.56% acc improvement.

**Text Detection of Web Images** *Mar.2018-Jun.2018*

**-- ICPR (International Conference on Pattern Recognition) MTWI 2018 Challenge II**

- Implemented an End-to-End system based on Aster and CTPN.
- Built an automatic system which can generate Chinese data automatically, containing 10,000 pieces of images, 6-10 chars for each image. Reached 6.72% improvement over baseline.

**Intelligent Diagnosis of Pulmonary Nodules** *Jan.2017-Aug.2017*

*Artificial Intelligence and Smart Medical Lab, Tongji University*

- Preprocessed the original CT images.
- Built the Neural Network based on U-net, for identifying suspected pulmonary nodules.
- Published paper 《A Hybrid Model: DGnet-SVM for the Classification of Pulmonary Nodules》.

**Lightweight Stock Data Display and Analysis Platform** *Sep.2017-Dec.2017*

*Data Warehouse Technology Course, Tongji University*

- Tools: Spring boot & Mybatis & MySQL & Python & Scrapy & LSTM.
- Achieve a lightweight stock data display and analysis web platform based on Sina Finance.
- Contained stock quotation, market news, self-selected stocks, billboard, market predicting, so on.

## CORE COURSES

Object-Oriented Programming, Discrete Mathematics, Data Structures, Database, Operating Systems, Data Warehouse Technology, Data Analysis and Data Mining, Information Security & Privacy, Interact Computer Graphics.

## PUBLICATION

Y Xu, G Zhang, Y Li, Y Luo, J Lu, "A Hybrid Model: DGnet-SVM for the Classification of Pulmonary Nodules. International Conference on Neural Information Processing (ICONIP)", 2017. (EI, CCF-C)

## AWARDS AND HONORS

Excellent Student	Tongji University 2019 Excellent Graduates	<i>Jun.2019</i>
First Prize	Tongji University 17-18 Excellent Student Scholarship	<i>Sep.2018</i>
Third Prize	Zhongan College Student Hackathon (100+ Team)	<i>Aug.2018</i>
101/1424	ICPR MTWI 2018 Challenge	<i>May.2018</i>
First Prize	China Undergraduate Mathematical Contest in Modeling	<i>Sep.2017</i>
Top10	"Hack for AI" Penta-Hackathon (150+ Team)	<i>Nov.2016</i>
Excellent Project	Shanghai College Student Entrepreneur Competition	<i>Sep.2016</i>

## LEADERSHIP

Graduate Assistant, *Center for Cybersecurity, NYU* *Sep.2019-now*

Undergraduate Assistant, *iLab, TJU* *Sep.2016-Jun.2019*

Vice Chairman, *IBM Technical Club, TJU* *Sep.2017-Jun.2018*

## ADDITION INFORMATION

**Programming:** Python, Java, C++, Golang, Hadoop, SQL, CUDA, OpenGL, C

**Tools and Skills:** Labview, MySQL, Oracle, Git, Caffe, PyTorch, Tensorflow, Keras, Linux, Jetbrain