# 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*
**GPA: 3.89 / 4.0**

**Tongji University -- Shanghai, China**  *Sep 2015-Jun 2019*
*Bachelor of Software Engineering*
**GPA: 3.87 / 4.0**

## EXPERIENCE

**Amazon**  *May.2020-Aug.2020*
*SDE Intern, Advertising Eng & Dev*
- Built UI for a new React website, replace the original JSP framework with React.
- Set up service to simulate endpoint calls.

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

## PROJECTS

**Tmoji: An automatic tweet's emoji analysis platform**  *Feb.2020-May.2020*
*Big Data course, New York University*
- Used pyspark to read 18 million English tweets, analyzing tweets and emoji relationship in three approaches.
- Built a website to visualize our results using D3.js and Django.

**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.

## 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 | *Jun.2019* |
| Top 20 | The 2nd Industrial Big Data Innovation Competition - CAICT | *Jan.2019* |
| First Prize | Tongji University 17-18 Excellent Student Scholarship | *Sep.2018* |
| Third Prize | Zhongan College Student Hackathon (100+ Team) | *Aug.2018* |
| 101/1424 | ICPR MTWI 2018 Challenge | *May.2018* |
| First Prize | China Undergraduate Mathematical Contest in Modeling | *Sep.2017* |
| Excellent Project | Shanghai College Student Entrepreneur Competition | *Sep.2016* |

## LEADERSHIP

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|---|---|
| Graduate Assistant, *Center for Cybersecurity, NYU* | *Sep.2019-Jan.2020* |
| Undergraduate Assistant, *iLab, TJU* | *Sep.2016-Jun.2019* |
| Vice Chairman, *IBM Technical Club, TJU* | *Sep.2017-Jun.2018* |

## ADDITION INFORMATION

**Programming:** Python, Java, C++, JavaScript, Hadoop, SQL, OpenGL, C, HTML
**Tools and Skills:** React, MySQL, Oracle, Git, Spring, PyTorch, Tensorflow, Keras, Linux