

JASON TANG (湯忠憲)

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SHORT BIO

Jason is now a master student in Data Science degree program of National Taiwan University and Academia Sinica. He conducts research in both **Natural Language Processing lab**, NTU and **Data Insights Research lab**, AS. Under the training of hand on practices, he is equipped with solid knowledge in machine learning and deep learning.

For some of his works, please refer to my github [\[link\]](#) and Kaggle [\[link\]](#).

EDUCATION

National Taiwan University 國立臺灣大學, Taiwan

September 2017 - Present

M.Sc. in Data Science

Rank 2

College of Electrical Engineering and Computer Science

Advisor: Dr. Hsin-hsi Chen (陳信希) and Dr. Sheng-wei Chen (陳昇瑋)

Related Courses: *Applied Deep Learning, Information Retrieval and Extraction, Machine Learning, Deep Learning for Computer Vision, Natural Language Processing, Computation in Data Science*

National Tsing Hua University 國立清華大學, Taiwan

September 2013 - June 2017

B.Sc. in Industrial Engineering


Rank 6

Department of Industrial Engineering and Engineering Management

Interdisciplinary Program Field of Study and Completed Course:

- Data Science: *Data Mining, Text Mining, Business analytics using statistical modeling, Decision Analysis, Business analytics using forecasting*
- Innovative Design: *Introduction to Interaction Design, User Experience Design, Social Computing Application Design, Sketching for Product Design, Design of Learning Environments*

SELECTED RESEARCH PROJECT

 **IEEE ICME 2019 Grand Challenge - Short Video Recommendation** [\[link\]](#)

ICME is one of the flagship conferences in multimedia. In this competition, participants are asked to predict whether a user will *finish* and *like* a specific short video along with its multi-modal features. My solution is ranked 3rd out of **1195** teams from all over the world. [See competition LeaderBoard](#) .

 **WSDM Cup 2019 - Fake News Classification** [\[link\]](#)

WSDM is one of the premier conferences on web-inspired research involving search and data mining. One of the task in WSDM Cup 2019 is to detect the fake news. Given the title of a fake news article A and the title of a coming news article B, participants are asked to classify B into one of the three categories. My method is ranked **6/8 (public/private)** among **94** teams from all over the world. [See Kaggle competition](#).

 **Multimedia Retrieval in CLEF 2018** [\[link\]](#)

The project aims at designing search algorithms to retrieval personal photos given text query. The work has been published in CLEF 2018 with title **Visual Concept Selection with Textual Knowledge for Understanding Activities of Daily Living and Life Moment Retrieval**.

EXPERIENCE



Natural Language Processing course, National Taiwan University

2019

Teaching Assistant of NLP course (CSIE 5042)

- Design and correct term project



Taiwan Semiconductor Manufacturing Company Limited, Taiwan

2017

Software Engineer Intern

- Deploy the state-of-the-art machine learning models to enhance the performance of demand forecasting.



Academia Sinica, Taiwan

2017-2018

Research Assistant at Data Insights Research Lab

- Research interests: Data Mining, Information Retrieval, and Natural Language Processing using Deep Learning



Inventec Corporation, Beijing

2016

Intern

- Conduct research for business development in Industrial 4.0 and Internet of Things



Shanghai Jiao Tong University

2015

Exchange Student

- Conduct research on Lean Production in General Motors.
- Advised by Prof. Ershun Pan (潘爾順).

SELECTED HONORS

IEEE ICME Grand Challenge 3rd prize

2019

ACM SIGIR Student Travel Grant

2018

Three Presidential Awards (Top 5%)

2013-2017

Conference of Chinese Institute of Industrial Engineers - Student Paper Contest 1st prize

2017

Hui-Chun Chin and Tsung-Dao Lee Chinese Undergraduate Research Endowment (Top 1%)

2015