Meng-Jiun Chiou

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EDUCATION

AUG. 2017- PRESENT	*National University of Singapore*, Singapore **Ph.D.** in Computer Science • Supervised by Prof. Roger Zimmermann and Prof. Jiashi Feng • Worked at Media Management Research Lab and Learning & Vision Lab • Research Interest: Computer Vision, Machine Learning and Deep Learning
SEP. 2012- JUN. 2016	*National Chiao Tung University*, Hsinchu, Taiwan **B.Sc.** in Electrical and Computer Engineering • Overall GPA: 3.89/4.30 (or 3.90/4.00) • CS Courses: Data Structure, Design and Analysis of Algorithms, Object-Oriented Programming, Computer Vision, Data Mining, Virtual and Augmented Reality, Database
OCT. 2014- SEP. 2015	*The University of Tokyo*, Tokyo, Japan **Exchange Student** in Information and Communication Engineering • Supervised by Prof. Toshihiko Yamasaki and Prof. Kiyoharu Aizawa • Worked at Multimedia Processing Lab • CS Courses: Artificial Intelligence, Statistical Machine Learning, Supercomputer Programming, Computer Architecture, Discrete Mathematics, Operating Systems, Computer Networks

PUBLICATIONS

- Yifang Yin, **Meng-Jiun Chiou**, Zhenguang Liu, Harsh Shrivastava, Rajiv Ratn Shah and Roger Zimmermann, "Multi-Level Fusion based Class-aware Attention Model for Weakly Labeled Audio Tagging". In *Proceedings of the 26th ACM International Conference on Multimedia* (ACMMM'19), Oct. 2019.

- **Meng-Jiun Chiou**, Yamasaki Toshihiko and Aizawa Kiyoharu, "A Fast Table-Based Approach of Bag-of-Features for Large-Scale Image Classification". In *Image Information and Television Engineers Annual Conference* (ITE'15), Aug. 2015.

- **Meng-Jiun Chiou**, Yamasaki Toshihiko and Aizawa Kiyoharu, "A Fast Method of Visual Words Assignment of Bag-of-Features for Object Recognition". In *The 18th Meeting on Image Recognition and Understanding* (MIRU'15), Jul. 2015.

SELECTED PROJECTS

Table-Based BoF Research Project	**Meng-Jiun Chiou**, Yamasaki Toshihiko and Aizawa Kiyoharu, at UTokyo *Table-Based Bag-of-Features* (Table-Based BoF) is a fast look-up table based method for finding bag-of-features-based indexes of query pictures without feature extraction. ● Source code: https://git.io/vFlqP
RW Recognizer Course Project	**Meng-Jiun Chiou**, Ting-An Chien and Zhe-Shan Yo, at NCTU *Right Whale Recognizer* (RW Recognizer) recognizes right whales' face by training *Fast R-CNN* on a large-scale dataset. The source code on GitHub obtains 70+ stars. ● Source code: https://github.com/coldmanck/fast-rcnn
The Light Hackathon Project	**Meng-Jiun Chiou**, Xiao Ma, Yaqi Xie and Ziwei Xu, at the hackathon *The Light* navigates blind people to move around smoothly in real time using *MobileNet* for object segmentation. It won 2nd prize at iNTUition Hackathon 2017. ● Project page: https://devpost.com/software/thelight

Serivces and Memberships

- **Program Committee**, 2018 Conference on Computer Vision and Pattern Recognition (CVPR'18) Workshop on Visual Understanding of Humans in Crowd Scene

- **Reviewer**, IEEE Transactions on Image Processing (TIP) 2018, ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM) 2018, Springer Multimedia Systems Journal (MMSJ)

- **Member**, Institute of Electrical and Electronics Engineers (IEEE), 2018-Present

- **Teaching Assistant**, Computer Vision and Pattern Recognition (NUS 2018-2020), Data Structures and Algorithms (NUS 2017-2018), Special Friday Lecture for High School Students (UTokyo 2014-2015)

Awards and Scholarships

Oct. 2017 **2ⁿᵈ Place**, *iNTUition Hackathon 2017*
- A 24-hour hackathon held at *Nanyang Technological University*, Singapore

Aug. 2017 **NUS Research Scholarship**, *National University of Singapore*
- Including full tuition waiver and monthly stipend.

Oct. 2015 **Helm Technology Scholarship**, *Helm Technology Inc.*
- Awarded to students with superb overall GPA

Oct. 2014 **Student Exchange Support Program**, *Japan Student Services Organization*
- Chosen by *The University of Tokyo*

Oct. 2014 **Short Term Exchange Scholarship**, *National Chiao Tung University*
- Awarded to exchange students with the top 20% overall GPA

May. 2014 **Xiao Yuan-Long Scholarship**, *NCTU Electrical and Computer Engineering*   .
- Awarded to students with superb overall GPA

Experience

Dec. 2015- **Research Assistant** at *Academia Sinica*
Apr. 2016   I worked on image segmentation with Dr. Yu-chiang Frank Wang at *Multimedia and Machine Learning Lab.*

Jul. 2013- **Software Developer, Microsoft Student Partners** at *Microsoft Taiwan*
Jun. 2014   I corresponded to develop Windows applications, e.g. *NHK Reader* having download time of more than 7,000.
- *NHK Reader* product page: https://www.microsoft.com/en-us/p/nhk-reader/9wzdncrdqpdb

Skills

- Programming: Proficient in Python, Matlab and C++; Experienced in Java

- Languages: Mandarin Chinese (native), English (fluent) and Japanese (fluent; JLPT N1)

Extracurricular Activities

Jun. 2013- **Vice President** at *Chien-Kuo and Taipei First Girls' High School Alumni Association, National Chiao Tung University*
May. 2014   I took on leadership roles by organizing a variety of events.