Meng-Jiun Chiou

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EDUCATION

AUG. 2017- JUL. 2021	*National University of Singapore*, Singapore **Ph.D.** in Computer Science • 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) • Relevant Courses: Data structure, Design and Analysis of Algorithms, Advanced Object-Oriented Programming, Computer Vision, Data mining, Virtual Reality and Augmented Reality, Introduction to Database
OCT. 2014- SEP. 2015	*The University of Tokyo*, Tokyo, Japan **Exchange Student** in Information and Communication Engineering • Worked at *Aizawa-Yamasaki Multimedia Processing Lab* • Relevant Courses: Artificial Intelligence, Introduction to Statistical Machine Learning, Supercomputer Programming, Computer Architecture, Discrete Mathematics, Operating Systems, Computer Networks

PUBLICATIONS

- **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), 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), Jul. 2015.

AWARDS AND SCHOLARSHIPS

OCT. 2017	**2nd Place**, *iNTUition Hackathon 2017* • A 24-hour hackathon held at *Nanyang Technological University*, Singapore
OCT. 2015	**Helm Technology Scholarship**, *Helm Technology Inc.* • Awarded to students with superb overall GPA
OCT. 2014	**Student Exchange Support Program Scholarship**, *Japan Student Services Organization (JASSO)* • 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**, *National Chiao Tung University Department of Electrical and Computer Engineering* • Awarded to students with superb overall GPA

Selected Projects

The Light *Hackathon Project*	**Meng-Jiun Chiou**, Xiao Ma, Yaqi Xie and Ziwei Xu *The Light* helps blind people navigate and move around both indoors and outdoors by avoiding obstacles surrounding them in real time. It won 2nd prize at *iNTUition Hackathon 2017*. • Source code: https://devpost.com/software/thelight
Table-Based BoF *Research Project*	**Meng-Jiun Chiou**, Yamasaki Toshihiko and Aizawa Kiyoharu 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 conducting feature extraction. • Source code: https://git.io/vFlqP
RW Recognizer *Course Project*	**Meng-Jiun Chiou**, Ting-An Chien and Zhe-Shan Yo Right Whale Recognizer (RW Recognizer) recognizes right whale's face by training *Fast R-CNN* framework on a large amount of images. The source code on GitHub obtains 60+ stars. • Source code: https://github.com/coldmanck/fast-rcnn

Experience

Dec. 2015- Apr. 2016	**Research Assistant** at *Academia Sinica* I conducted research concerning to image segmentation with Dr. Yu-chiang Frank Wang at *Multimedia and Machine Learning Lab*.
Jul. 2013- Jun. 2014	**Microsoft Student Partners (Develop Team)** at *Microsoft Taiwan* I developed multiple Windows Applications and made speeches for the public to promote the newest techniques.

Skills

- Specialization: Computer Vision and Machine Learning (Deep Learning)

- Programming: C++, Java, Python and Matlab

- Languages: Mandarin Chinese (native), English (fluent; TOEFL iBT: 95 in Aug 2016), Japanese (fluent; JLPT N1 in Jul 2014)

Extracurricular Activities

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