

Meng-Jiun Chiou

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<http://coldmanck.github.io/>

EDUCATION

AUG. 2017- *National University of Singapore*, Singapore

JUL. 2021 **Ph.D.** in Computer Science

- Research interest: Computer Vision, Machine Learning and Deep Learning

SEP. 2012- *National Chiao Tung University*, Hsinchu, Taiwan

JUN. 2016 **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- *The University of Tokyo*, Tokyo, Japan

SEP. 2015 **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 Second Prize, *iNTUition Hackathon 2017*

- A 24-hour hackathon held in Singapore

OCT. 2015 Helm Technology Scholarship, *Helm Technology Inc.*

- Awarded to students with superb overall GPA

OCT. 2014 JASSO 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. It can detect the objects surrounding them in real time. Further extension to mobile is expected. It won second prize at *iNTUition Hackathon 2017*.
 • Source code: <https://devpost.com/software/thelight>
- TB-BoF Research Project** **Meng-Jiun Chiou**, Yamasaki Toshihiko and Aizawa Kiyoharu
 Table-Based Bag-of-Features (TB-BoF) introduces a fast look-up table based method for finding bag-of-features-based indexes of query pictures without conducting feature extraction.
 • Source code: <https://github.com/coldmanck/A-Fast-Method-of-Visual-Words-Assignment-of-Bag-of-Features-for-Object-Recognition>
- RW Recognizer Course Project** **Meng-Jiun Chiou**, Ting-An Chien and Zhe-Shan Yo
 Implementing *Fast-RCNN* framework, Right Whale Recognizer (RW Recognizer) aims at recognizing right whale's face by training on a large amount of images. The code released on GitHub has obtained 60+ stars.
 • Source code: <https://github.com/coldmanck/fast-rcnn>

EXPERIENCE

- DEC. 2015- **Research Assistant** at *Academia Sinica*
 APR. 2016 I conducted research concerning to image segmentation with Dr. Yuchiang Frank Wang at *Multimedia and Machine Learning LAB*.
- JUL. 2013- **Microsoft Student Partners (Develop Team)** at *Microsoft Taiwan*
 JUN. 2014 I developed multiple Windows Applications and made speeches for the public to promote the newest techniques and services.

SKILLS

- Specialization: Computer Vision, Machine Learning and 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- **Vice President** at *Chien-Kuo and Taipei First Girls' High School Alumni Association NCTU*.
 MAY. 2014 At *National Chiao Tung University*, I had been a vice president of "Chien-Kuo and Taipei First Girls' High School Alumni Association" for one year. I took on leadership roles by organizing a variety of events.