

# Meng-Jiun Chiou

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

## EDUCATION

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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

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- **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

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OCT. 2017 **2<sup>nd</sup> 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

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## SELECTED PROJECTS

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- 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 2<sup>nd</sup> 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>

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## EXPERIENCE

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- JAN. 2018-    **Teaching Assistant (TA)** at *National University of Singapore*  
MAY. 2018    I will be conducting lab and marking assignments for students in *CS2010 Data Structures and Algorithms II*.
- DEC. 2015-    **Research Assistant (RA)** at *Academia Sinica*  
APR. 2016    I conducted research concerning to image segmentation with Dr. Yuchi-chiang Frank Wang at *Multimedia and Machine Learning Lab*.
- JUL. 2013-    **Dev. Team, Microsoft Student Partners** at *Microsoft Taiwan*  
JUN. 2014    I developed multiple Windows Applications and made speeches for the public to promote the newest techniques.

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## SKILLS

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- 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)

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## EXTRACURRICULAR ACTIVITIES

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