Meng-Jiun Chiou

mengjiun.chiou@u.nus.edu   `http://coldmanck.github.io/`

EDUCATION

AUG. 2017- JUL. 2021	*National University of Singapore*, Singapore **Ph.D.** in Computer Science • Supervisor: Assoc. Prof. Roger Zimmermann • 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) • Computer Science 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 • Supervisors: Assoc. Prof. Toshihiko Yamasaki and Prof. Kiyoharu Aizawa • Computer Science 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.

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* (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

Research Serivces

- **Reviewer**, IEEE Transaction of Image Processing (TIP)
- **Program Committee**, CVPR 2018 Workshop on Visual Understanding of Humans in Crowd Scene

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 for 4 years.

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

Experience

Jan. 2018-
May. 2018   **Teaching Assistant (TA)** at *National University of Singapore*
I conducted labs and marked assignments for students in *CS1020 Data Structures and Algorithms*.

Dec. 2015-
Apr. 2016   **Research Assistant (RA)** 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   **Dev. Team, Microsoft Student Partners** at *Microsoft Taiwan*
I developed multiple Windows Applications and made speeches for the public to promote the newest techniques.

Skills

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

- Languages: Mandarin Chinese (native), English (fluent; TOEFL iBT: 95 in Aug 2016) and 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, National Chiao Tung University*
I took on leadership roles by organizing a variety of events.