

Shih-Han Chou | CV

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Education

Academic Qualifications

- **University of British Columbia** **Vancouver, Canada**
Computer Science, PhD student in Computer Vision Lab
09/2019–current
- **National Tsing Hua University** **Hsinchu, Taiwan**
Electrical Engineering, Master student in ACS (automatic control and signal) Lab
GPA: 4.1/4.3
09/2014–06/2017
- **RWTH AACHEN University** **Aachen, Germany**
Electrical Engineering, An exchange student for one semester.
10/2016–03/2017
- **National Sun Yat-Sen University** **Kaohsiung, Taiwan**
Mechanical and Electromechanical Engineering,
GPA: 3.8/4.0 (overall); 3.8/4.0 (major); 3.9/4.0 (last-60)
Rank: Top 7.4% (4th/54)
09/2011–06/2014
- **National Changhua University of Education** **Changhua, Taiwan**
Mechatronics Engineering,
Transfer to National Sun Yat-Sen University at September 2011.
09/2010–06/2011

Publications

Conference

- **Shih-Han Chou**, Wei-Lun Chao, Wei-Sheng Lai, Min Sun, Ming-Hsuan Yang, "Visual Question Answering on 360° Images"., WACV20'.
- **Shih-Han Chou**, Cheng Sun, Wen-Yen Chang, Wan-Ting Hsu, Min Sun, Jainlong Fu, "360-Indoor: Towards Learning Real-World Objects in 360° Indoor Equirectangular Images"., WACV20'.
- **Shih-Han Chou**, Yi-Chun Chen, Kuo-Hao Zeng, Hou-Ning Hu, Jainlong Fu, Min Sun, "Self-view Grounding Given a Narrated 360° Video"., AAAI18'.
- Kuo-Hao Zeng, **Shih-Han Chou**, Fu-Hsiang Chan, Juan Carlos Niebles, Min Sun, "Agent-Centric Risk Assessment: Accident Anticipation and Risky Region Localization"., CVPR17', **spotlight**.

Workshop

- **Shih-Han Chou**, Yi-Chun Chen, Cheng Sun, Kuo-Hao Zeng, Ching-Ju Cheng, Jainlong Fu, Min Sun, "Towards 360° Show-and-Tell"., ECCV18' - Workshop on 360° Perception And Interaction
- **Shih-Han Chou**, Yi-Chun Chen, Kuo-Hao Zeng, Hou-Ning Hu, Jainlong Fu, Min Sun, "Self-view Grounding Given a Narrated 360° Video"., ICCV17' - Workshop on Closing the Loop Between Vision and Language, **spotlight**.

Research Experience

- **Computer Vision Lab** Advisor: Prof. Leonid Sigal
Visual Commonsense Reasoning, Visual Question Answering (2019 - current)
- **Vision and Learning Lab** Advisor: Prof. Ming-Hsuan Yang
Visual Question Answering (2018 - 2019)
- **Vision Science Lab** Advisor: Prof. Min Sun
360° Object detection (2018 - 2019)
360° Video grounding, show and tell (2017 - 2018)
Accident anticipation (2017)

Notable Projects.....

- **Computer Vision for Visual Effects** *Term Project*
Our project page: <https://sites.google.com/site/computervisionvisualeffectsg11/home>
- **Image Processing** *Final Project*

Honors and Awards

- **Scholarships for Excellent Students to Study Abroad from Ministry of Education Taiwan (2016)**
- **NSYSU Undergraduate Outstanding Reports of Special Project (2013)**
Topic: Estimating the relation between vertical ground reaction force and heart rate with different exercising strength during treadmill running.

Previous Employment

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|---|---------------------------------|
| ○ Research Assistant | Hsinchu, Taiwan |
| ○ <i>Vision Science Lab (National Tsing Hua University)</i> | <i>August 2018–January 2019</i> |
| ○ Intern | Taipei, Taiwan |
| ○ <i>Appier</i> | <i>April 2018–July 2018</i> |
| ○ Research Assistant | Hsinchu, Taiwan |
| ○ <i>Vision Science Lab (National Tsing Hua University)</i> | <i>June 2017–March 2018</i> |