

Shih-Han Chou | CV

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Inquire for the Ph.D. position in 2019 fall.

Education

Academic Qualifications.....

- 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 Yet-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, "Paper title omitted for double-blind reviews", CVPR19' submission.
- Shih-Han Chou**, Cheng Sun, Wen-Yen Chang, Wan-Ting Hsu, Min Sun, Jainlong Fu, "Paper title omitted for double-blind reviews", CVPR19' submission.
- 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**.

Master Thesis

- Shih-Han Chou**, Wei-Yu Chen, Bor-Sen Chen, "Multiobjective Design for Joint Precoding and Equalization of MIMO OFDM Systems with simultaneous post-detection SINR Maximization and Power Consumption Minimization". Master thesis

Research Experience.....

- Vision and Learning Lab** Advisor: Prof. Ming-Hsuan Yang
Visual Question Answering (2018 - present)
- Vision Science Lab** Advisor: Prof. Min Sun
360° Object detection (2018 - present)
360° Video grounding, show and tell (2017 - 2018)

Accident anticipation (2017)

- **Automatic Control and Signal Lab**

Robust control and H_∞ control in wireless communication (2014 - 2017)

- **Bio-Medical Micro Electro Mechanical Systems Lab**

The correlation between Heart Rate Variability and Apnea-Hypopnea Index is BMI dependent (2014)

The relation between vertical ground reaction force and heart rate during treadmill running (2013 - 2014)

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

○ Intern <i>Appier</i>	Taipei, Taiwan <i>April 2018–July 2018</i>
○ Research Assistant <i>Vision Science Lab (National Tsing Hua University)</i>	Hsinchu, Taiwan <i>June 2017–March 2018</i>
○ MediaTek Summer Intern <i>MediaTek Inc.</i>	Hsinchu, Taiwan <i>July 2014–August 2014</i>
○ HIWIN Summer Intern <i>HIWIN Technologies Corp.</i>	Taichung, Taiwan <i>July 2013–August 2013</i>
○ Receptionist in The 43th International Symposium on Robotics <i>International Symposium on Robotics</i>	Taipei, Taiwan <i>28, August 2012–30, August 2012</i>