Shih-Han Chou | CV

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Education

Academic Qualifications

National Tsing Hua University Hsinchu, Taiwan
Electrical Engineering, Master student in ACS (automatic control and signal) Lab 2014–2017
GPA: 4.1/4.3

RWTH AACHEN University Aachen, Germany
Electrical Engineering, An exchange student for one semester. 2016–2017

National Sun Yat-Sen University Kaohsiung, Taiwan
Mechanical and Electromechanical Engineering, 2011–2014
GPA: 3.8/4.0 (overall); 3.8/4.0 (major); 3.9/4.0 (last-60)

Rank: Top 7.4% (4th/54)

National Changhua University of Education Changhua, Taiwan
Mechatronics Engineering, 2010–2011
Transfer to National Sun Yet-Sen University at September 2011.

Publications

Conference

o **Shih-Han Chou**, Yi-Chun Chen, Kuo-Hao Zeng, Hou-Ning Hu, Jainlong Fu, Min Sun, *"Self-view Grounding Given a Narrated 360° Video".*, *AAAI'18*

o Kuo-Hao Zeng, **Shih-Han Chou**, Fu-Hsiang Chan, Juan Carlos Niebles, Min Sun, *"Agent-Centric Risk Assessment: Accident Anticipation and Risky Region Localization".*, *CVPR'17*, **spotlight**.

Workshop

o **Shih-Han Chou**, Yi-Chun Chen, Kuo-Hao Zeng, Hou-Ning Hu, Jainlong Fu, Min Sun, *"Self-view Grounding Given a Narrated 360° Video".*, *ICCV'17 - Workshop on Closing the Loop Between Vision and Language*, **spotlight**.

Master Thesis

o **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 (under submission)*

Research Experience

o **Vision Science Lab**

360° Video grounding, storytelling (2017 - 2018)

Accident anticipation (2017)

o **Automatic Control and Signal Lab**

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

o **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

o **Computer Vision for Visual Effects** *Term Project*

Our project page: `https://sites.google.com/site/computervisionvisualeffectsg11/home`

o **Image Processing** *Final Project*

Honors and Awards

- **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**   **Taipei, Taiwan**
  Appier   *April 2018–Present*

- **Research Assistant**   **Hsinchu, Taiwan**
  Vision Science Lab (National Tsing Hua University)   *June 2017–March 2018*

- **MediaTek Summer Intern**   **Hsinchu, Taiwan**
  MediaTek Inc.   *July 2014–August 2014*

- **HIWIN Summer Intern**   **Taichung, Taiwan**
  HIWIN Technologies Corp.   *July 2013–August 2013*

- **Receptionist in The 43th International Symposium on Robotics**   **Taipei, Taiwan**
  International Symposium on Robotics   *28, August 2012–30, August 2012*

Technical and Personal skills

- **Programming Languages:**
  C (Intermediate), C++ (Intermediate), Python (Proficient), Matlab (Proficient), LaTeX(Proficient)
- **Machine (Deep) Learning Platform:**
  PyTorch (Proficient), Caffe (Intermediate), SciPy (Intermediate), OpenCV (Proficient), LIBSVM (Intermediate)