

Hui-Ting Hong

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<https://w102060018w.github.io/>

RESEARCH INTEREST

Data analysis, behavior signal processing and deep learning for artistic work.

EDUCATION

National Tsing Hua University

2017(expected) - 2019(expected)

Master of Electrical Engineering

Behavioral Informatics and Interaction Computation Lab

Supervised by Prof. Chi-Chun (Jeremy) Lee

National Tsing Hua University

2013 - 2017(expected)

Bachelor of Undergraduate Program of Electrical Engineering and Computer Science

GPA: 3.6/4.3

Rank: 12th/25

HONOR & AWARDS

Scholarship for Exchange Program

06/2016

Awarded 300,000TWD(10,000US) to exchange program student

PROJECT

Interspeech Challenge

02/2017 - 03/2017

- Determine whether 210 speakers are under the cold condition or not.
- Familiar using openSMILE to extract audio features.
- In-depth understanding of feature encoded approach(BOW, GMM with Fisher Vector), strength modeling(sub-dictionary learning and feature-fusion method) and popularly used classifier(SVM, AdaBoost, and Random Forest).

Heuristic Planning with Resources in PyDDL

10/2016 - 12/2016

- Discuss the planning problem with resource constraint. (The test bed is Mystery domain introduced in AIPS-98 planning competition)
- Implementing IDA* searching algorithm in PyDDL planner(released by Gary Doran, implemented in python).
- In-depth understanding of searching and planning algorithms in Artificial Intelligence.

Deep Learning for Artistic Style Transformation

07/2015 - 08/2016

- Familiar with Theano, Lasagne.
- In-depth understanding of neural-style transfer algorithm(VGG network, gram-based method, patched-based and semantic map method).
- Paper search of style-transfer algorithm and deep learning related work.

EXPERIENCE

International Exchange Program(MN, USA)

08/2016 - 12/2016

- Exchange to University of Minnesota Computer Engineering department.

- Learning fundamental artificial intelligence.

AMAZER summer intern(Taipei, Taiwan)

07/2015 - 08/2015

- Front-end website design.
- Familiar with Bootstrap framework.

International Exchange Program(Beijing, China)

07/2014

- Exchange to Tsing Hua University Computer Science department.
- Learning Java programming.

ACTIVITY

Subsection Chief in Academic Unit of Student Association of EECS department.

Lead our department to earn the 5th place in College Department Fair 2016.

Public Dance Club

Astronomy Club

SKILLS

Programming Languages

Python, C/C++, HTML, CSS, MATLAB, Java, Javascript, R

Languages

English(fluent), Mandarin Chinese(native), Taiwanese(native)