Hou-Ning Hu

Resume/ Curriculum Vitae

Email: eborboihuc_at_gmail_dot_com
GitHub: https://github.com/eborboihuc
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EDUCATION

MS **NATIONAL TSING HUA UNIVERSITY (NTHU)** Hsinchu, Taiwan

Master - Department of Electrical Engineering Sep, 2015 – Current

GPA: 4.3/4.3 (- Current)

BS **NATIONAL CHUNG CHENG UNIVERSITY (CCU)** Chiayi, Taiwan

Bachelor - Department of Electromechanical Engineering Sep, 2011 – Jun, 2015

Topic: Research on AR.drone 2.0 combining with GPS automatic navigation and image storage of facial detection

GPA: 86.27/100, 4.27/5.0 (overall); 91.70/100 (last-60);

Rank: Top 11.4% (5^{th}/44)

OSTFALIA HOCHSCHULE FÜR ANGEWANDTE WISSENSCHAFTEN Wolfenbüttel, Germany

Exchange Program - Department of Information Feb, 2014 – Jun, 2014

Term Project: M-robot obstacle crossing challenge

HONERS AND AWARDS

- **Presidential Awards (amount to 4 semesters)** (2011 - 2014)

  Awarded to top 5 of students in each department of National Chung Cheng University.

- **Exchange Student to Ostfalia Hochschule für angewandte Wissenschaften** (2014)

  Term Project: M-robot obstacle crossing challenge

- **CCU Undergraduate Outstanding Project** (2014)

  Topic: Research on AR.drone 2.0 combining with GPS automatic navigation and image storage of facial detection.

RESEARCH EXPERIENCE

- **Vision Science Lab** **Advisor: Prof. Min Sun**

Artificial Intelligence on Virtual Reality (2016 - current)

Large Scale Video Data Collection (2015 - current)

Deep Learning on Computer Vision – Multi-Object Detection, Tracking (2015 - current)

- **Robot Vision Lab** **Advisor: Prof. Huei-Yung Lin**

Autonomy Drone Control (2014)

Visual-based Human Face Detection (2014)

CORE COURSE AND GRADES

(#): Ostfalia graduate course, (*): Undergraduate course

Robotic:		**Machine Learning:**	
Robotics(#)	(95/100)	Machine Learning	(A+/A+)
Computer Vision:		**Multimedia**:	
Computer Vision(NTHU)	(A+/A+)	Introduction to Multimedia System(*)	(93/100)
Computer Vision(CCU) (*)	(95/100)	Algorithms for Image Analysis	(A+/A+)
Computer Vision for Visual Effects	(A+/A+)	**HCI**:	
		Human Computer Interaction	(A+/A+)

SELECTED TERM PROJECT

Robotics M-robot obstacle crossing challenge

Computer Vision for Visual Effects Project Website: https://sites.google.com/site/zxcv0258twt/.

LAB Project RCNN, Fast RCNN, Faster-RCNN, Bipartite matching tracking, LSTM Training, 360 videos.

Working Experience

Teaching Assistant of Computer Vision (Graduate School) Fall, 2016

SKILL

Programming Languages	C, C++, Python
Programming Library & Open Source	Cuda, OpenCV, LIBSVM, Caffe, TensorFlow
Simulation Software	MATLAB

INTEREST AND ACTIVITIES

- Computer Vision and Machine Learning Research, VR applications, Travel and Language Learning.