

Ming-Chang Chiu

<http://charismaticchiu.github.io/> • +886 916232366
<https://tw.linkedin.com/pub/ming-chang-chiu/103/712/252> • <https://github.com/charismaticchiu>

RESEARCH INTERESTS	My research interests are in computer cognition, robotics, machine learning, data analysis and high-performance computing. I am particularly interested in the programming and design of accelerator to deal with massive data in quasi-real time.	
EDUCATION	National Tsing Hua University (NTHU) , Hsinchu, Taiwan	
	Bachelor of Science (B.S.) in Electrical Engineering and Computer Science	Sep 2011 – Jun 2015
	<ul style="list-style-type: none">• Areas of Interest: Computer Vision, Large Scale Computing.• Cumulative GPA: 3.82 / 4.30 (Excluding credits earned at University of Minnesota)• Last 60 GPA: 4.05 / 4.30 (Excluding credits earned at University of Minnesota)	
	University of Minnesota , Twin-Cities, Minnesota, USA	
	Exchange Student in Computer Science and Engineering	Sep 2014 – Dec 2014
	<ul style="list-style-type: none">• Introduction to Intelligent Robotics (A)• Advanced Programming Principles (A)• Cumulative GPA: 4.0 / 4.0, 15 credits	
	Tsinghua University , Beijing, China	
	Summer Exchange Student in Computer Science	Aug 2012 – Sep 2012
	<ul style="list-style-type: none">• GUI design with Qt• Construct a search engine with Python	
RESEARCH EXPERIENCE	Visual Science Laboratory , Department of Electrical Engineering, NTHU	
	Undergraduate Research Student	Feb 2015 – Sep 2015
	<ul style="list-style-type: none">• Construct image change detection system• Build Google Street View and dash camera video matching system	
	Large Scale Architecture Laboratory , Department of Computer Science, NTHU	
	Undergraduate Research Student	Jul 2013 – Aug 2014
	<ul style="list-style-type: none">• Use Hadoop benchmark (HiBench) to test performance of processing different types of data on distributed system.• Apply machine learning algorithms to discern types of incoming data and do operating disk rescheduling.	
PUBLICATIONS	K.-T. Chen, Ming-Chang Chiu, F.-H. Chan, F.-E. Wang, Min Sun, “Dashcam Videos for Street View Change Detection,” submitted to <i>IEEE International Conference on Multimedia and Expo (ICME) 2016</i>	
ACADEMIC HONORS & AWARDS	Honorary Member of Phi Tau Phi Scholastic Society	2015
	Excellent Study Group Award, NTHU	2015
	2014 National Tsing Hua University International Exchange Scholarship, College of EECS	2014
PROFESSIONAL AFFILIATIONS & ACTIVITIES	Broadsound Corporation , Jupei City, Hsinchu, Taiwan.	Jul 2013 – Sep 2013
	Intern	
	<ul style="list-style-type: none">• Product: Wind Gauge, Ultrasound Replacement Transducers, Marketing Research	
CAMPUS ACTIVITIES	NTHU Orchestra , National Tsing Hua University	
	Vice President	Jul 2012 – Jun 2013
	Student Council , National Tsing Hua University	
	Counselor	Jul 2012 – Jun 2013
TECHNICAL SKILLS	<ul style="list-style-type: none">• Programming Languages: C/C++ (Qt), Ocaml, Java, Python, PHP, Javascript, Scala, R, Verilog, \LaTeX• Engineering Software: MATLAB, HSPICE, Cadence	
REFERENCES	Professor Min Sun National Tsing Hua University Department of Electrical Engineering Email: sunmin@ee.nthu.edu.tw	

Professor Jerry Chou

National Tsing Hua University
Department of Computer Science
Email: jchou@cs.nthu.edu.tw

Professor Stergios Roumeliotis

University of Minnesota, Twin Cities
Department of Computer Science and Engineering
Email: stergios@cs.umn.edu