

# Ming-Chang Chiu

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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	<b>National Tsing Hua University (NTHU)</b> , Hsinchu, Taiwan Bachelor of Science (B.S.) in Electrical Engineering and Computer Science • 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) <b>University of Minnesota</b> , Twin-Cities, Minnesota, USA Exchange Student in Computer Science and Engineering • Introduction to Intelligent Robotics (A) • Advanced Programming Principles (A) • Cumulative GPA: 4.0 / 4.0, 15 credits <b>Tsinghua University</b> , Beijing, China Summer Exchange Student in Computer Science • GUI design with Qt • Construct a search engine with Python	Sep 2011 – Jun 2015          Aug 2012 – Sep 2012
RESEARCH EXPERIENCE	<b>Visual Science Laboratory</b> , Department of Electrical Engineering, NTHU Undergraduate Research Student • Construct image change detection system • Build Google Street View and dash camera video matching system <b>Large Scale Architecture Laboratory</b> , Department of Computer Science, NTHU Undergraduate Research Student • 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.	Feb 2015 – Sep 2015    Jul 2013 – Aug 2014
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 Excellent Study Group Award, NTHU 2014 National Tsing Hua University International Exchange Scholarship, College of EECS	2015 2015 2014
PROFESSIONAL AFFILIATIONS & ACTIVITIES	<b>Broadsound Corporation</b> , Jupei City, Hsinchu, Taiwan. Intern • Product: Wind Gauge, Ultrasound Replacement Transducers, Marketing Research	Jul 2013 – Sep 2013
CAMPUS ACTIVITIES	<b>NTHU Orchestra</b> , National Tsing Hua University Vice President <b>Student Council</b> , National Tsing Hua University Counselor	Jul 2012 – Jun 2013  Jul 2012 – Jun 2013
TECHNICAL SKILLS	• Programming Languages: C/C++ (Qt), Ocaml, Java, Python, PHP, Javascript, Scala, R, Verilog, $\LaTeX$ • Engineering Software: MATLAB, HSPICE, Cadence	
REFERENCES	<b>Professor Min Sun</b> National Tsing Hua University Department of Electrical Engineering Email: sunmin@ee.nthu.edu.tw	

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