

# Cheng-Chun Tu (William Tu)

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## Education

2008 – Current

***State University of New York at Stony Brook, USA***

Degree: Ph.D, Computer Science Department

2004 – 2006

***Chalmers University of Technology, Sweden***

Degree: Master of Science in Engineering

Major: Dependable Computer System, GPA: 3.82/5.0

2001 – 2006

***National Chiao Tung University (NCTU), Taiwan***

Degree: Bachelor of Electrical Engineering

Major: Electrical and Control Engineering

Overall GPA: 3.82/4.0, Major GPA: 3.9/4.0

## Work Experience

*Research Assistant*

2008

***Institute of Information Science, Academia Sinica, Taiwan***

Same as below.

*Civilian R.O.C. Military*

2006 – 2007

***Public Service Military, Taipei County Government***

Basic military training. Build an English-friendly website and Environment for foreigners, a project sponsored by Executive Yuan, Taiwan.

*Research Assistant*

2006

***Institute of Information Science, Academia Sinica, Taiwan***

Researched on Network Security and Multimedia Networking. Studied characteristics of game traffic and attack patterns. Analyzed transport protocols (DCCP, SCTP) for Online Game. Surveyed and provided methods for traffic classification and VoIP security.

*Summer Intern*

2006

***High Level OS Team, Texas Instrument, Taiwan***

Developed a software debugging tool for TI's OMAP platform. Surveyed Windows CE driver, memory, and exception mode error handling.

*Representative of Academic Exchange*

2004 – 2005

***NCTU European Office, Sweden***

Planned and organized exchange programs between NCTU and Chalmers.

<http://www.europe.nctu.edu.tw/>

## Activities & Honors

2007 Summer

***Scholarship of Formosan Summer School on Logic, Language, and Computation***

Courses include: Logic, Model Checking, Program Verification, Functional Programming, Type System, and Program Derivation. I got tuition waiver for all the expenses.

2004

***Exchange Student Scholarship, TSMC and NCTU, Taiwan***

Scholarship for one year graduate study at Chalmers University of Technology, Sweden.

- 2003 ***Macronix Golden Silicon Award, Macronix International Co. Embedded Software Award, Ministry of Education, Taiwan***  
 Design and realization of Embedded Surveillance System.  
 Integrated GPRS, GPS, and camera modules on Linux platform.  
 Designed and build applications on PDA and Smartphone.
- 2003 ***Outstanding Student Award, National Chiao Tung University***  
 Ranked 2nd at first semester.

### **Publications**

- 2009 *IEEE INFOCOM* **[OneClick: A Framework for Measuring Network Quality of Experience](#)**  
 Kuan-Ta Chen, [Cheng-Chun Tu](#), and Wei-Cheng Xiao
- 2008 *ACM SIGCOMM* **[A User-Centric Framework for Comparing Applications Network Robustness](#)**  
 (poster)
- 2008 *ACM SIGCOMM* Hung-Hsuan Chen, [Cheng-Chun Tu](#), and Kuan-Ta Chen  
 (poster) **[OneClick: A Framework for Measuring Network Quality of Experience](#)**  
[Cheng-Chun Tu](#), Kuan-Ta Chen, Yu-Chun Chang, and Chin-Laung Lei
- 2006 *Technical Report* ***A Software Debug Tool for Smartphone***, Texas Instrument, 2006  
<http://www.25536655.com/2006SummerIntern.pdf>
- 2005 *Master Thesis* ***Modeling Component Failure in Embedded Systems***, 2005  
 A new fault injection model for fault injection tool, GOOFI.  
<http://www.25536655.com/MastersThesis.pdf>

### **English Proficiency**

- TOEFL* 267/5.0 (CBT, Aug 22, 2006)
- GRE* 1280/3.5 (V:490, Q:790, PBT, Oct 2007)

### **Computer Skills**

- Programming Language* C/C++, Java, VB, SQL, UML, MPD, Erlang
- Functional Language* Objective Caml, Haskell
- Hardware Description* VHDL, Verilog, Lava
- Embedded OS* Windows CE, Windows Mobile, uClinux

### **References**

- Tzi-cker Chiueh** Professor, Computer Science Department at State University of New York at Stony Brook. E-mail: [chiueh@cs.sunysb.edu](mailto:chiueh@cs.sunysb.edu)  
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- Kuan-Ta Chen** [Assistant Research Fellow, Academia Sinica](#), Taiwan  
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