Shuo-Yang Wang

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EDUCATION

National Taiwan University (NTU), *Taipei, Taiwan*   *09/2008 – 06/2012*

Bachelor of Science, Electrical Engineering

Overall GPA 3.48/4.00, GPA in major 3.62/4.00

STANDARDIZED TEST SCORES

TOEFL – 105 (Reading: 27, Listening: 26, Speaking: 24, Writing: 28)   *02/2012*

GRE General – 317 (Quantitative: 167, Verbal: 150, AWA: 3.5)   *11/2012*

RESEARCH/LABORATORY EXPERIENCES

Academia Sinica, *Taipei, Taiwan*

➢ **Research Assistant at Institute of Information Science**   *08/2012 – present*

- Crowdsourcing
- Optical Character Recognition
- Speech Recognition

National Taiwan University (NTU), *Taipei, Taiwan*

➢ **NTU Mobile Networks and Wireless Communications Research Group**   *09/2011 – 07/2012*

- Access Class Barring for Machine-to-Machine Communications
- Communications issues in Atmospheric Dispersion Modeling

➢ **MicroSystem Research Lab.** (MSR Lab)   *09/2010 – 06/2011*

- Hands-on implementation of Beamforming

➢ **Network and Multimedia Lab.** (NM Lab)   *Fall, 2011*

- Web chat room program, including video chat function and data transmission
- Android multiplayer motion sensor project
- Table tennis network computer games based on multiple XBOX 360 Kinects

COURSE PROJECTS

➢ **Integrated Circuit Design**

Design a calculator with reset that computes discriminant of quadratic equation, and the Wallace tree was implemented in two-stage pipeline.

➢ **Computer Network**

Implement a caching proxy server in the first assignment, implement Trivial File Transfer Protocol (TFTP) in the second assignment, and implement Distance Vector Algorithm between routers in the third assignment.

> **Network and Platform Service Programming**
  Write a Google extension that can sync the post from Facebook to Google+

WORKING EXPERIENCES

> **Research Assistant, Academia Sinica**   *08/2012 – present*
> **Teaching Assistant, Licheng Education Institute**   *03/2009 – 01/2012*
  Tutoring math, physics and chemistry for more than 200 high school students

PROFICIENT SKILLS

Programming languages	C/C++, C#, Java, PHP, Javascript, HTML, Flash, Ruby, UNIX shell scripting, Matlab, Verilog
Tools	Sphinx, HTK, Microsoft Visual Studio, HSpice, FPGA, Quartus II, LaTeX, Apache
Languages	English (fluent), Mandarin Chinese (native), Taiwanese (native)

EXTRACURRICULAR ACTIVITIES

> **Round-up, badminton men's singles, Freshman cup, NTU**   *10/2008*
  Freshman cup is one of the most important athletic competitions in National Taiwan University, which is held every year for freshmen in the university and in the graduate school
> **Captain, Chemical Engineering badminton team, NTU**   *01/2009 – 08/2009*
> **Member, Electrical Engineering badminton team, NTU**   *09/2009 – 08/2012*
> **Member, Electrical Engineering Camp, NTU**   *05/2011 – 07/2011*
  This is the most important propaganda of the Dept. of Electrical Engineering. We recruit 120 high school students, introducing our department, teaching basic circuit design and programming language
> **Male Dancer, Night of Electrical Engineering, NTU**   *03/2010, 03/2011 and 03/2012*
  Most significant event for NTUEE students, which is held each year, showcases the talents of NTUEE students

REFERENCES

- Tzi-Dar Chiueh
  Professor, Department of Electrical Engineering, National Taiwan University
- Wen-Jeng Hsueh
  Professor, Department of Engineering Science and Ocean Engineering, National Taiwan University
- Hung-Yun Hsieh
  Associate Professor, Department of Electrical Engineering, National Taiwan University
- Hung-Yu Wei
  Associate Professor, Department of Electrical Engineering, National Taiwan University