# Wei Wei

## Education

2009 **Undergraduate**, *Shanghai Jiao Tong University*, Shanghai.
Major: Computer Science and Engineering

2009 **GPA & Ranking**, Overall GPA: 3.84 (89.84), Major GPA: 3.82 (89.59), Ranking: 5/120.
Major Courses: Algorithm (100), Computer Networking (92), Mining of Massive Dataset (95), Operating System (99) and so on.

## Academic Experience

2012.4-6 **Wireless Data Center Network (WDCN)**, *Survey*.
We summarize the history and the future of the development of WDCN and work out a survey [1] about the optimization probelm and design issues of WDCN.

2012.6-8 **Pre-Alert Management System**, *Conference*.
We propose a distributed manager which is in charge of VM migration and flow control using forecasted future demands.[2] and I am responsible for the pre-alert part.

2012.8-10 **Quality Assured VM Placement**.
Considering correlation between VMs to better allocate scarce resources. Utilizing modern portfolio theory in VM placement to assure resources are allocated without SLA violations.

## Publications


[1] Wei Wei, Xuanzhong Wei, Xiaofeng Gao, and Guihai Chen. Wireless communication technology in data center networks. *ZTE Communications*, 2012.

[2] Xiaofeng Gao, Xuanzhong Wei, Wei Wei, Tao Chen, and Guihai Chen. Sheriff: A regional pre-alert management scheme in wireless data center networks. In *submission to INFOCOM*. IEEE, 2012.


## Awards and Honors

2010.10 **Scholarship**, *Jidian Electronics Scholarship*.

2010.10 **Scholarship**, *Academic Excellence Scholarship ($2^{nd}$ class) of SJTU*.

2011.9 **Scholarship**, *Academic Excellence Scholarship ($2^{nd}$ class) of SJTU*.

2011.9 **Modeling**, *Third Prize of Mathematical Contest in Modeling in Shanghai*.

2011.11 **Three good student**, *Three Good Student of Shanghai Jiao Tong University.*.

## Membership

2011.9 **Member**, *Advanced Network Lab (ANL)*.
ANL is directed by Prof. Guihai Chen and its research interest is computer networing.


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2012.3 **Member**, *Data Center Networking Group of ANL*.
DCN group is directed by Xiaofeng Gao and Guihai Chen and focus on issues regarding DCN.

2012.6 **Student Member**, *Association for Computing Machinery (ACM) Student Member*.

2012.6 **Student Member**, *China Computer Association (CCF) Student Member*.

## Standardized Test

TOEFL Reading: 29, Listening: 30, Speaking: 23, Writing: 29. Total: 111.

GRE Verbal Reasoning: 154, Quantitative Reasoning: 170, Analytical Writing: 4.

## Experiment & Computer Skills

2009.10 **Science and Technology Innovation**, *Part 1*.
Work out a radio and a multimeter.

2010.10 **PRP**, *Image Processing*.
Implement a system in Matlab that can detect spatial temporal interest point. My program can take a short video as input and analyze the interest points in both space and time.

2011.11 **Science and Technology Innovation**, *Part 2-B*.
Program a little car that can automatically run on tracks. A camera is used for taking the environment as input and I am responsible for generating the route that the car take using OpenCV.

2011.11 **Science and Technology Innovation**, *Part 3-D*.
Lectures are about cloud computing and virtualization. My project is judging whether the application is running under a virtual machine or not.

2012.4 **Science and Technology Innovation**, *Part 4-J*.
Lectures are about neural network and our project is to automatically classify patents in Japanese. We use LibSVM and Matlab to finish our project.

More Course Projects . . .