

# JUNWEI ZHAO

Phone: (732) 371-8884  
Email: [jz337@scarletmail.rutgers.edu](mailto:jz337@scarletmail.rutgers.edu)  
Homepage: [nickmyself.com](http://nickmyself.com)

2797 BPO WAY  
Piscataway, NJ 08854

## EDUCATION

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<b>Rutgers, the State University of New Jersey,</b> Expected Degree: Master of Science in Electrical & Computer Engineering Expected Graduate Date: Oct 15 <sup>th</sup> 2014	Sep 2012 – Present (GPA 3.70)
<b>Zhejiang University of Science &amp; Technology,</b> Degree: Bachelor of Engineering in Management Information System	Sep 2008 – June 2012 (GPA 3.22)

## INDEPENDENT PROJECT

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### Nickmyself.com – personal website

- Ran my homepage and my Blog use Wordpress
- Implemented Search engine optimization
- Implemented github tool for version control

### NBA Champion Prediction via Weka

- ♦ Predicted the NBA champion in 2012-2013 seasons based on data from last 10-years of 30 NBA teams.

## COURSE PROJECT

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### Android App: iParking—parking assistant

- ♦ Developed an APP assisting clients find their parked cars based on Android
- ♦ Friendly functions: photo reminding message, search for nearby places (restaurant, market, gas station), timer and path guidance

### Context-Aware Mobile Power Saving Strategy

- ♦ Measured and analyzed the Android smartphone power consumption characteristics in different context
- ♦ Implemented different power optimization for different particular context
- ♦ Achieved to reduce up to 22.2% of power consumption with this new mobile power strategy

### Stock Portfolio Management System

- ♦ Developed a stock portfolio management website (HTML+JSP+PHP+MYSQL+IIS)
- ♦ Implemented data visualization tool to demonstrate predicted stock price
- ♦ Achieved 23.82 absolute mean errors and 2.87% average relative error
- ♦ Applied machine learning to predict stock price

### Implement New Branch Prediction Strategy

- ♦ Manipulated CPU (RISC) simulator on Linux using C
- ♦ Increased prediction accuracy by 5.13% (on average)
- ♦ Applied neural network in branch prediction strategy

### Online Electronic Publication Retail Website

- Based on ASP.NET Framework
- Included online electronic publication retail and delivery management subsystem
- System functions: Security Management, Tracking Information, and Organization Framework Management
- Basic user functions: Event, Wishing list, Carts, etc.

## INDUSTRY EXPERIENCE

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<b>ENFOTECH, Intern</b> • Worked on Ensuite System • Implemented client subsystem test and constructed application forms	Sep 2013—Jan 2014
<b>UFIDA, Intern</b> • Joined project implementation team work as consult • Exception maintenance and workflow construction • Construct database report forms base on user requirement	June 2013—Aug 2013
<b>Zhonghui Accounting Firm, Intern,</b> • Device maintenance and technical support	Mar 2012—May 2012

## PROFESSIONAL SKILLS

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Programming: C++, C, C#, PL/SQL, SQL, PHP, HTML, Python, Java, Javascript  
Framework: ASP.NET, Django  
IDE: Visual Studio, Xcode, Eclipse, MySqlWorkBench, etc.