

# JUNWEI ZHAO

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## 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 Computer Science	Sep 2008 – June 2012 (GPA 3.22)
<b>University of Southern Queensland,</b> Degree: Bachelor of Engineering in Management Information System	Sep 2008 – June 2012 (GPA 3.22)

## INDEPENDENT PROJECT

- 
- Nickmyself.com – personal website**
- Developed my homepage and blog
  - Implemented SEO and 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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- MovieWeb (movie.nickmyself.com)**
- A web platform for movie fan to share their experience
  - Based on MySQL, Bootstrap (front end framework), PHP
  - Function includes: search movie, write review, comment others, etc.
- 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**
- Designed experiment to measure and analyze 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
- Stock Portfolio Management System**
- Developed a stock portfolio management website (HTML+JSP+PHP+MYSQL+IIS)
  - Applied machine learning algorithm on time stamped data to predict stock close price of next day
  - Achieved 23.82 absolute mean errors and 2.87% average relative error
  - Implemented data visualization tool to demonstrate data on website
- Implement New Branch Prediction Strategy**
- Manipulated CPU (RISC) simulator on Linux using C
  - Applied neural network in branch prediction strategy, increased prediction accuracy by 5.13% (on average)
- 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>	Sep 2013—Jan 2014
<ul style="list-style-type: none"><li>• Worked on Ensuite System</li><li>• Implemented client subsystem test and constructed application forms</li></ul>	
<b>UFIDA, Intern</b>	June 2013—Aug 2013
<ul style="list-style-type: none"><li>• Joined project implementation team work as consult</li><li>• Exception maintenance and workflow construction</li><li>• Construct database report forms base on user requirement</li></ul>	

## 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.