JUNWEI ZHAO

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EDUCATION

Rutgers, the State University of New Jersey, NJ   Sep 2012 – Present (GPA 3.70)
Expected Degree: Master of Science in Electrical & Computer Engineering
Expected Graduate Date: Oct 15th 2014
Zhejiang University of Science & Technology, China   Sep 2008 – June 2012 (GPA 3.22)
University of Southern Queensland, Australia
Double Degree: Bachelor of Science in Computer Science,
                  Bachelor of Engineering in Management Information System

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

Movie Web (movie.nickmyself.com)
- Constructed UI by Bootstrap
- Designed and Implemented (BCNF level) movie database
- Populated database with movie, actor and director data by writing PHP scripts interact with TMDB's JSON API
- Function includes: search movie, write review, comment others, etc.

Android App: iParking—parking assistant
- An APP assisting clients find their parked cars based on Android
- Developed 'search nearby' functions by interact with Yelp API.

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 Web
- 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

ENFOTECH, Intern   Sep 2013—Jan 2014
- Worked on Ensuite System
- Implemented client subsystem test and constructed application forms

UFIDA, Intern   June 2013—Aug 2013
- Joined project implementation team work as consult
- Exception maintenance and workflow construction
- Construct database report forms base on user requirement

PROFESSIONAL SKILLS

Programming: C++, C, C#, PL/SQL, PHP, HTML, Python, Java, Javascript
Framework: ASP.NET, Django
Database: MySQL, Oracle
Frontend: Bootstrap