

# JIAQI ZHU

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## EDUCATION

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Master of Science May 2014  
**Industrial & Systems Engineering** GPA: 3.90  
**Minor in Computer & Information Science & Engineering**  
*University of Florida, Gainesville, FL*

Bachelor of Engineering Jun 2012  
**Ocean and Naval Engineering** GPA: 3.31  
*Tianjin University, Tianjin, China*

## PROJECTS

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**Building a Website with Database Supported** Jan 2014 – Present

- Building a StackExchange like forum for use by the university students, as part of a course on databases.
- Design the UI and implement the front-end by utilizing HTML/CSS, JavaScript
- Design the ER-model and database schema, use Oracle SQL and PHP to support the functionality

**Multi-Criteria Decision Support System Based on VBA** Sep 2013 – Dec 2013

- Designed a decision support system to evaluate projects for energy companies.
- Enabled different type of users to execute their respective functions. Ensured the security of the system, hiding data among users and hiding the VBA codes.
- Provided flexibility of the system in changing the number of users, evaluation criteria and its weight.

**Programming Language Designing and Implementation** Sep 2013 – Dec 2013

- Design and implement a small sequential programming language, which can manipulate images.
- The compiler was written in Java, it utilized ASM framework to dynamically generate Java bytecode.
- The compiler scan and parse the source code and generate code for Java virtual machine (JVM), with syntax checking and static type checking.

**Simulation Study of Jacksonville Container Terminal of Crowley Maritime** Sep 2012 – Dec 2012

- Collected data of terminal operations and layout, fitted data to stochastic distributions.
- Simulated and animated the current unload and load processes in ARENA.
- Ran scenarios which could potentially improve performance of the system and gave suggestions to the company.

**Storage Space Allocation for Containers in Container Yards** Feb 2012 – Jun 2012

- Designed a Genetic Algorithm for storage space allocation questions in container yard.
- Derived a good stacking strategy for containers to reduce extra moves.
- Implemented and Visualized the algorithm in Matlab.

## EXPERIENCES

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**APLL-ZHIQIN Technology Logistics, Shanghai, China** Jul 2011 – Aug 2011

- Collected and analyzed data in delivery order.
- Monitor the transportation performance and calculate key performance indicator (KPI).
- Assisted the senior supervisor of Transportation Dept in routine duties.

## CERTIFICATIONS

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**Six Sigma Green Belt** Jan 2014 – Present  
*Institute of Industrial Engineers*

## COMPUTER SKILLS

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<b>Software &amp; Tools</b>	Office, GitHub, Arena, SPSS, Minitab, L <sup>A</sup> T <sub>E</sub> X, LINGO, AutoCAD, Cplex
<b>Development</b>	Java, C/C++, Matlab, VBA, Fortran, Eclipse
<b>Web &amp; Database</b>	HTML/CSS, JavaScript, PHP, SQL/MySQL
<b>Operation System</b>	Windows, Mac OS, Unix/Linux