
Yulian Zeng

*Advisor, Business Processes and IT Solutions
Criterion LLC*

Education

Ph.D. Candidate, Industrial and Systems Engineering, Georgia Institute of Technology

M.S., Computer Science, National University of Singapore (Joint program with MIT)

B.S., Electrical Engineering, Xi'an Jiaotong University China

Technical Skills

Core Skills

- Optimization algorithm application and implementation
- Supply chain management

Languages

- Proficient in: Java
- Familiar with: Ruby On Rails, AJAX, C/C++

Software & Technologies

- Computing Software: Matlab, Cplex
- Database: Oracle, MySQL, and Microsoft SQL Server
- Platforms: Microsoft Windows, Mac OSX, and Linux

Professional Experience

GEORGIA INSTITUTE OF TECHNOLOGY - Atlanta, GA

Research Assistant

2007-Present

Sefofane Project

- Developed and implemented an airline schedule optimization software for Sefofane, a South Africa air taxi company
- Achieved 35% cost reduction
- Environment: Eclipse, Java, Microsoft SQL Server 2005

Trade Chain Project

- Studied the business processes of trading companies
- Implemented a website to ease the analysis of trade data
- Environment: Ruby On Rails, HTML, CSS, AJAX, DOM, Java Script

IVN Project

- Studied the Service Oriented Architecture and its relationship with business process modularization

Union Pacific Project

- Analyzed the efficiency of Union Pacific rail network

US Auto Distribution Project

- Studied the variability of transit time in General Motors' new car delivery network

Yulian Zeng (continued)

J&L CONSULTING COMPANY - Chongqing, China

Software Engineer

May - July 2009

May - July 2008

May - July 2007

- Implemented an auto financial data generator for customer's ERP system
- Helped the Chinese buyers to establish contact with international suppliers and secure business with the suppliers
- Designed a web-based reverse auction system

CRIMSONLOGIC - Singapore

Software Engineer

July 2005 - July 2007

- Java full-cycle development of a natural language based Business Rules Management System
- Job functions include analyzing requirements, designing, developing, integrating, testing, and supporting
- Conducted customer training on product usage and troubleshoot problems in the field
- Assisted sales team by presenting product to customers, making the product sales brochure and preparing the product flash demo
- The product was nominated for Asia Pacific ICT Awards
- Environment: Eclipse, Java, Rich Client Platform, SWT, JFace, Java Reflection, MySQL, Oracle, WebLogic

DSO NATIONAL LABORATORY - Singapore

Software Engineer

Jan. 2005 - June 2005

- Set up and configured a small- scale sensor network test bed
- Implemented and tested power management of sensor networks algorithms
- Performed simulation of the algorithms
- Analyzed and compared the simulation results with the test results

Selected Experience

SINGAPORE MIT ALLIANCE STUDENTS SOCIAL COMMITTEE

As a SMA Social Committee member, organized SMA students' social activities.

Yulian Zeng (continued)

**STUDENTS' INTERNATIONAL COMMUNICATION
ASSOCIATION of XIAN JIAOTONG UNIVERSITY**

Founded the organization and led it as President. The goal of the organization is to promote the communication between local and foreign students. The work includes: organizing the reception work for the visiting students and scholars, organizing cultural events to help foreign students understand Chinese culture.

**COLLEGE JOURNAL of ELECTRICAL AND INFORMATION
COLLEGE, XIAN JIAOTONG UNIVERSITY**

Worked as the chief editor for the College Journal. Responsible for scheduling and conducting interviews, writing articles, editing, and publishing the Electrical and Information College's journal.