

EDUCATION

M.S., Computer Science, **New York University**, Manhattan, NY, USA (2011 to 01/2013) **GPA: 3.80/4**
B.S., Electrical Engineering, **Donghua University**, Shanghai, China (2005 to 2009)

PROFESSIONAL EXPERIENCE

ByteConsulting.Inc New York, USA 06/2013

Application Developer

PhoneGap E-Market financial mobile application with REST-ful Webservice provider.

NYC Department of Environment Protection - Internship New York, USA 06/2012 to 08/2012

• C#/ASP.NET Application Developer

Implemented MVP framework E-Learning System with Sharable Content Object Reference Model and created thread-safety Webservice.

Industrial and Commercial Bank of China - Software Development Center Shanghai, China 06/2009 to 04/2010

• Software Development Engineer

Created JUnit test case for 3rd party's transaction systems.

Modified framework of HR platform to separate the data structure and function operations.

Java Object Oriented Design. Git Version Control.

PROJECT EXPERIENCE

• Feature Extraction Optimization for Multicore Architecture 12/2012

Concurrency Programming: Parallel feature extraction process for NLP. (Java 1.7.0)

Data level parallelism in training process (Thread Pool Model).

YourKit Profiling for parsing process.

TDD + Unit test case covered.

• Natural Language Processing: Sentence Sentimental Analysis 04/2012 to 05/2012

Supervised Machine Learning Classification System. (Java 1.6.0)

Target: Classify tweet's sentiment extracted from twitter.com into Positive, Negative or Neutral.

Approach: Maximum Entropy classifier (Grammatical Model) + Bigram (Lexical Model backup) for prediction.

Self-defined feature extraction.

F-Score: 88% (~5000 Training Samples, Cross Validation).

Website: <http://www.tweetemotion.com>

• Financial Trading System Development

Implemented and simulated exchange's security trading system by Java.

Supporting multiple orders: Market, limit and pegged order through FIX protocol.

TDD, OO Design Pattern for Matching Engine, Unit test case covered.

COMPUTER SKILLS

- Java (Proficiency), C#/ASP.NET, C/C++.
- Natural Language Processing, Pattern Matching.
- OO Design Pattern, Agile Development, TDD.
- Git, Subversion.
- Bootstrap.js, HTML, CSS, JSON, JavaScript.



GitHub

<https://github.com/maochen>