

YI REN CHENG
Sharon, MA 02067

Mobile: 408-912-6718
Email: yitalents@gmail.com
Website: www.yirengcheng.com

RESEARCH INTERESTS

Multi-Objective Optimization, Evolutionary Algorithms, Game Theory, Machine Learning, Deep Learning, Cloud Computing, Body Sensor Network, and Molecular Communication.

EDUCATION

Ph.D. in Computer Science (GPA: 3.9/4.0) University of Massachusetts Boston	May 2017 Boston, USA
M.S. in Computer Science University of Massachusetts Boston	May 2014 Boston, USA
M.S. in Electrical Engineering University Ramon Llull – La Salle Engineering and Architecture.	May 2012 Barcelona, Spain
M.S. in Telecommunication Engineering University Ramon Llull – La Salle Engineering and Architecture.	May 2011 Barcelona, Spain
B.S. in Telecommunication Engineering University Ramon Llull – La Salle Engineering and Architecture.	May 2009 Barcelona, Spain

SKILLS

TECHNICAL SKILLS:

- GENERAL PURPOSE PROGRAMMING LANGUAGE: Java, Python, C#, C++, C
- DATABASE: Relational DB (SQL), No Relational DB (MongoDB), ORM
- BACK-END: Javascript (NodeJS), Python (Django), Servlets, Php
- FRONT-END: HTML, Javascript (AngularJS, AJAX), CSS (Bootstrap), XML.
- MOBILE APP DEVELOPMENT: Android
- DISTRIBUTED COMPUTING: Spark (PySpark), ipython Notebook, Hadoop, HDFS
- CLOUD COMPUTING: AWS (EC2, EMR, and S3)
- STATISTICAL AND NUMERICAL PROGRAMMING LANGUAGE: R, Matlab, Python
- MACHINE LEARNING and OTHER RESEARCH TOOLS: Spark ML, Theano, JMetal, Numpy, Scipy, Matplotlib, Scikit-learn, Scikit-image
- TECH STACKS: LAMP, MEAN

LANGUAGES: Fluent in English, Chinese (Mandarin), Spanish and Catalan.

EXPERIENCES

DigitasLBi (Publicis Group) Associate Director	Boston, USA 2017
<ul style="list-style-type: none">• Management (Planning, organizing, and directing day-to-day operations)• Recruitment (Hunting talents)	
DigitasLBi (Publicis Group) Data Scientist	Boston, USA 2016 – 2017
<ul style="list-style-type: none">• Machine Learning (PySpark, Spark ML, Theano)• Image Processing (Scikit-image)• Data Collection (Phantom JS, Python Selenium)	
OpenMobile World Wide, Inc Software Engineer	Framingham, USA 2015 – 2016
<ul style="list-style-type: none">• Developing web automation API (Python script)• Backend implementation (AWS + Django)• Frontend implementation (Angularjs + Bootstrap)	
Potoo LLC Cofounder & Software Engineer	Boston, USA 2014 – 2015
<ul style="list-style-type: none">• Developing cloud integrated android app.• Database design (MongoDB)• Backend design (AWS + Nodejs)	
University of Massachusetts Boston Researcher	Boston, USA 2013 – 2017
<ul style="list-style-type: none">• Multi objective optimization algorithm (Evolutionary Algorithm, Game Theory, ...)• Sensing devices, Body Sensor Networks.• Performing simulations in cloud computing environment.	

AWARDS

- **Best paper award in SCIS 2014 Kitakyushu, Japan.**
(over 1000 submitted paper and 30% of acceptance rate)
- **Full Graduate Assistant Scholarship (2013-present)**
- **2nd place in UMASS Boston Graduate Student's Symposium 2016.**
- **3rd place in UMASS Boston Graduate Student's Symposium 2015.**