
Michael Zhang

~20 years versatile software development and management experience in both US and China. Exposure to sales, business development and entrepreneurship. Currently focus on application for big data/AI research and development in medical and health, and financial industries.

EXPERIENCE

Since 2012 Mr. Zhang has been working as senior architect consultant at Hubblewave, and currently partnering with Xi'an BoRui Hospital, where he is charged with projects: Hospital management information system; map-navigation based doctor-patient platform; AI-powered chatbot assistant for hospital navigation and customer service; planning and design of internet hospital.

He was selected by the 8th national ChunHun Cup Entrepreneurship Program in 2013. He also partnered with EU-based Logical Objects as its business development and sales consultant, responsible for leads development in greater China region including Hong Kong, Macau and Taiwan for its enterprise ECM product.

During 2007-2011, he worked as a technical consultant, solution architect and product evangelist for mobile application startups such as iSpot and Life360. He worked as a software project manager at HuaTek during 2005-2006 managing a team of 10 members where he participated in development of management information system for Merck Pharmaceutical; and senior software developer at SiliconMetrics(Magma), Austin, Texas during 1999-2003.

He had also worked as a system administrator/software engineer at Tsinghua Institute of Microelectronics for 5 years before he went to US pursuing his graduate study in 1996.

EDUCATION

- University of Central Florida, Orlando, FL, US PhDc in Computer Science
- State University of New York at Buffalo, NY, US MS in Computer Science
- Tsinghua University, Beijing, China BE in Computer Science & Technology

TECHNICAL SKILLS

- Data: python/hadoop/spark/kafka/elasticsearch/numpy/pandas/nltk/sk-learn
- Infrastructure: linux/bash/git/android/sqlite/mysql/postgresql/tensorflow/keras

MEMBERSHIP UCAHP, SVIEF, ElitePioneer, Amauri Alliance, AJCEFC, GDG

RELATED PROJECTS

- Python code auto suggestion by systematically parsing stackoverflow python snippets and utilizing NLP, part of Stanford HCI project.
- Created web service API and android app for Brazilian Portuguese grammar checker and spell checker using Apache Java OpenNLP and featurizer tools.
- Enterprise collaboration(IM/document/workflow) solution for CRM and help desk. Semantic and sentimental aware chat-bot facilitating enterprise customer support, using information retrieval and machine learning techniques based on domain expert knowledge.
- Cloud based industrial wireless sensor network monitoring platform based on OpenSCADA and UTGARD.
- Cloud based real-time vehicle tracking and delivery system based on OpenGTS and OptaPlanner.
- Android CRM for sales person. Android app facilitating salesperson integrating data from database of products, customers and orders.
- Google spreadsheet based CRM. Google app scripts automatically import XML file and Google spreadsheet to Google cloud SQL; automatically delete/archive/label emails based on day of the week received; automatically generate daily spread sheets in Google docs and email the link automatically to a group of users.
- Mobile electronic medical record system facilitating doctors and patients operation
- Cross-platform configuration management and continuous integration system
- Physics-based 3D rigid body simulation and collision detection system
- Language library packages(Java, Android, Python, Javascript, NodeJS) for World Weather Online API
- Discrete event driven modeling and simulation in high performance DAG networked parallel computing

PUBLICATIONS

- *Push vs Pull mechanism, simulation and linear optimization in web access*, Distributed System Conference, Huntsvill, Alabama, USA 1999
- *Device model simulation and nonlinear optimization*, Journal of Microelectronics, Beijing, China 1995