

Xingzhong Xu

Seeking data engineer/scientist fulltime or internship position

SELECTED EXPERIENCES

JAN 2014 - PRESENT

Research Project

QCYK

Group of applications based on my Ph.D research topics - **latent Context-free grammar**.

Developed a web app to render the interpretations of financial time series based on numbers of geometric technical patterns.

Developed a framework to recognize the sports tactics and formations from video and trajectory data. Developed Spotify poetry to personalize a playlist of Spotify tracks based on the user's message input.

Parsing results are **optimum** guaranteed on probabilistic measurements.

Tech. stack - Python and openCV.

JUL 2014 - OCT 2014

Book Reviewer

Scikit-Learn Cookbook

Invited reviewer of scikit-learn Cookbook - packt-pub.. Prepared sample code and explanations for numbers of machine learning recipes under **scikit-learn** framework.

NOV 2013 - PRESENT

Individual Project

Farseer

Developed a web app to crawl, analyze and predict the stocks' performances.

Stochastic gradient boosting trees are applied on the historical time series features space.

Tech. stack - Python and MySQL on AWS.

MAR 2012 - NOV 2013

Tech co-founder

yesgoody reward

Co-founded yesgoody inc, which provides cloud reward program for local merchants.

Designed and developed **minimum viable product** - yesgoody reward and **RESTful API** to manages and tracks the business rewards program.

Tech. stack - Node.js, and MongoDB on heroku.

SEP 2010 - DEC 2012

Lead Developer, research project

Semantic signal processing

Led a team of 8 members on SSP project sponsored by DARPA. Delivered a software to model signal processing module and radio components through semantics and ontology framework.

Developed an open source plug-ins for **GCC** and **Clang** to extract and analyze the semantics based on compiler generated **abstract syntax tree**.

📍 45 River Dr S #407, Jersey City, NJ 07310
 ☎ 201-888-4979
 ✉ xu.xeno@gmail.com
 🖱 github.com/xingzhong
 ⚡ sirxu.com



EDUCATION

2011 - 2015¹ **Electrical Engineering**
 DOCTOR OF PHILOSOPHY
Stevens Inst. of Tech., NJ

2009 - 2011 **Electrical Engineering**
 MASTER OF ENGINEERING
Stevens Inst. of Tech., NJ

2005 - 2009 **Tel-communication**
 BACHELOR OF SCIENCE
Beijing Jiaotong U., China

SELECTED PUBLIC PROJECTS

2014 **StarInvest (startouzi.com)**
Tech Leader

2014 **QCYK**
Package developer and maintainer

2013 **PandasTA**
Package developer and maintainer

2013 **Farseer (farseer.sirxu.com)**
Developer and maintainer

2012 **yesgoody (yesgoody.com)**
Developer and maintainer

TECH SKILLS

DATA SCIENCE Numpy, Pandas, Scipy, Scikit-learn, NLTK, NetworkX, d3.js, openCV, Spark

SYSTEM AWS, MySQL, MongoDB, Django

LANGUAGES Python, Javascript/Node.js, Matlab, C/C++, TeX, Scala

PUBLICATION

Xingzhong Xu and Hong Man: Activation Analysis on fMRI time series using SCFMs. WOCC 2014
 Fangming He, Wei Wang, Xingzhong Xu, ...: A network coding method for channel signatures based key distribution. ICC 2012: 5036-5041
 Guang Yang, Xingzhong Xu, ...: Optimum image fusion via sparse representation. WOCC 2011: 1-4

¹Anticipated on May 2015