

Xingzhong Xu

Seeking Data Engineer/Scientist position

SELECTED EXPERIENCES

JULY 2014 – PRESENT

Book Reviewer

Scikit-Learn Cookbook

Invited reviewer of "Scikit-Learn Cookbook - Packt Publishing", which covers numbers of recipes on machine learning and artificial intelligence.

NOVEMBER 2013 – PRESENT

Individual Project

Farseer

Develop a **Django** application to monitor the abnormal open interests of financial instruments - Long-term Equity Anticipation Securities (LEAPS) and predict stocks' future performances through **machine learning**.

Historical daily prices as well as technique indicators (MACD, RSI, etc.) are used to construct the feature vectors for statistic regression.

Technology stack includes scikit-learn, Pandas, TA-lib, Django, and AWS.

MARCH 2012 – NOVEMBER 2013

Tech co-founder

yesgoody reward

Co-founded the firm yesgoody, which dedicated to improving the efficiencies of local merchants' daily reward program through cloud services.

Designed and developed **minimum viable product** - yesgoody reward and **RESTful API**, which manages and tracks the business rewards program. Technology stack includes Node.js, Backbone.js and MongoDB.

SEPTEMBER 2010 – DECEMBER 2012

Lead Developer

Semantic signal processing

Led a team of 8 members on SSP project.

Developed a software to model signal processing module through semantics and ontology.

Developed plug-ins for **GCC** and **Clang** to extract and analyze the semantics of abstract syntax tree (AST).

SEPTEMBER 2011 – DECEMBER 2013

Lead teaching assistant

Intro. Programming C++

Award: Best teaching assistant in Dept. of ECE.

RESEARCH TOPIC

JANUARY 2013 – PRESENT

Recursive Bayesian estimation based on latent stochastic context-free grammar

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



EDUCATION

2011 – 2015 ¹	Electrical Engineering DOCTOR OF PHILOSOPHY <i>Stevens Inst. of Tech., NJ</i>
2009 – 2011	Electrical Engineering MASTER OF ENGINEERING <i>Stevens Inst. of Tech., NJ</i>
2005 – 2009	Tel-communication BACHELOR OF SCIENCE <i>Beijing Jiaotong U., China</i>

SELECTED PUBLIC PROJECTS

2014	StarInvest (startouzi.com) <i>Tech Leader</i>
2014	MaxPain (sirxu.com/cp) <i>Developer and maintainer</i>
2013	Farseer (farseer.sirxu.com) <i>Developer and maintainer</i>
2012	yesgoody (yesgoody.com) <i>Developer and maintainer</i>
2011	SSP (xingzhong.github.io/ssptool) <i>Lead developer</i>

TECH SKILLS

DATA SCIENCE	Numpy, Pandas, Scipy, Scikit-learn, NLTK, NetworkX
SYSTEM	Linux, AWS, Heroku, MySQL, MongoDB, Django, d3.js
LANGUAGE	Python, Javascript/Node.js, Matlab, C/C++, goLang, TeX
TRADING	Equity, Options and Futures

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