

XU , Michael Fusheng
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EDUCATION

Georgia Institute of Technology	Atlanta, Georgia	Sep. 2019-
Master of Science in Computer Science Specialization: Machine Learning		
Yale University	New Haven, CT	Sep. 2014-Dec. 2016
Master of Arts in Economics		
New York University	New York, NY	Sep. 2011-May 2014
Bachelor of Arts in Economics, and Mathematics GPA: 3.95/4.0 (<i>summa cum laude</i>)		
Tsinghua University	Beijing, China	Sep. 2010-Jun. 2011
Major in Economics and Finance, School of Economics and Management		

**WORK
EXPERIENCE**

March 2018 – Present

Freelancing as Python Developer

- ❖ Web app developments:
 - Backend developing with Django, ElasticSearch, Redis, Celery, various SQL databases, etc.;
 - Deployment and Maintenance on cloud infrastructures;
 - Frontend skills involves CSS, html, JavaScript, React.
- ❖ Machine Learning/AI Models:
 - NLP for sentiment analysis, e.g. customer review aggregator to generate business insights; image processing using Keras/TensorFlow, FastAI, OpenCV; classical regressions in various predictive settings, etc.
- ❖ Standalone scripts, services and consultancies to help clients design system architecture, development blueprint, interact with various APIs, improve system performance, etc.

June 2017 – March 2018

Model Developer, IQVIA (former IMS Health and Quintiles)

- ❖ Develop various Excel models; significant VBA codes used both to enhance user experience, and to compute model outputs (Epidemic/Monte Carlo models)
- ❖ Develop various Enterprise web applications; significant coding in JavaScript/C#/html to build interactive web applications backed by SQL database.
- ❖ Model Validation/Testing; extensive testing on both Excel and Web apps.

2015 Summer

Intern at Innovations for Poverty Action (IPA), Tamale, Ghana office

- ❖ Tasks involve SurveyCTO coding in Excel, managing, integrating and analyzing survey data using Stata, and field works to conduct surveys;
- ❖ Computed actuarial fair price of insurance products provided by IPA.

STANDARDIZED TESTS

GRE:

Quantitative: 169/170

Verbal: 165/170

Writing: 6/6

DEMO PROJECTS

Bring2me.shop

Aims to facilitate cross border transactions.
Illustrations and designs are done by a friend.

AIbuybit.com

Makes predictions about the short-term trend in Bitcoin prices.

HomeWeHome.com

Helps homeowners manage their properties.

ReSensibly.com

Helps resellers make intelligent decisions and keep track of inventory.

* Consider these as demo projects. All done in Ubuntu (various cloud services), PostgreSQL, Django (Python), Nginx with Celery and Redis.

FELLOWSHIPS, AWARDS AND HONORS

Malcolm Urban Fellowship	2015 - 2016
Yale University Fellowship	2014 - 2016
Fellowship awarded by Cowles Foundation, and Economic Growth Center at Yale University	2014 - 2016
Founders' Day Award, New York University	2014
Gopal Varadhan Scholarship	2013 - 2014
CAS Scholarship, New York University	2011 - 2014
Dean's List for Academic Year	2011 - 2014
Full Scholarship awarded by Beijing Municipal Education Commission	2010 - 2011

LANGUAGES AND SKILLS

Mandarin , English

Proficient with **Python (Django, Keras, etc.)**, **Stata**, **SQL**, **VBA**, **JavaScript**, **HTML**, **C#**, and **Microsoft Office**.

PERSONAL INFORMATION

Date of Birth: Oct. 26th, 1991

Citizenship: U.S.A.