

Lingfu Zhang

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3 Ames St
Cambridge, MA, 02139

EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

Candidate for Bachelor of Mathematics and Computer Science **GPA: 5.0/5.0**

Jun 2017

Relevant Coursework: Computation Structure, Performance Engineer of Software Systems, Software Construction, Algorithms for Inference, Design and Analysis of Algorithms, Computer System Engineering, Intro to Machine Learning,

Tsinghua University

Beijing, China

Major in Architecture **GPA: 4.3/5.0**

Aug 2013 - Jun 2014

EXPERIENCE

Morgan Stanley

New York, NY

Quantitative Finance Intern

Jan 2016 - Feb 2016

- Worked with credit desk in fixed income division
- Individually designed and implemented algorithms to analyze tick trace of bonds to help ETF pricing
- Programmed in K and accessed internal database

Amazon Web Service

Seattle, WA

SDE Intern

Jun 2015 - Sep 2015

- Worked with the team of AWS Silk, the browser on Amazon Kindle tablets and FireTV and is used by millions of users
- Designed, developed, and deployed test managing system of Silk, doing online analyzing of large volume data within Amazon cloud environment
- Used Java, python, web front-end technologies, several Amazon Web Services, and implemented a RESTful web service

Urban Microclimate, School of Architecture, MIT

Cambridge, MA

Windows Developer

Oct 2014 - Jan 2015

- Developed an urban heat island effect simulator (Urban Weather Generator) which is the first to integrate energy and thermal comfort based concepts in urban design, making prediction of weather to assist the development of energy-efficient cities
- Designed and implemented user interaction individually
- Used C# under .NET, WPF and MATLAB

Deep Learning for Finance, MIT EECS SuperUROP

Cambridge, MA

Student Researcher

Sep 2015 - Jun 2016

- Developed latent Bayesian model based approach to analyze large volume of finance data to help semi-auto trading decision making
- Mainly focused on the foreign exchange market, implemented in python with Theano

LEADERSHIP

Student Union of School of Architecture, Tsinghua University

Beijing, China

Vice President of the Liaison Department

Feb 2014 - Jun 2015

- Dealt with external affairs of the Student Union, including organizing cooperation programs with other universities, funding raising, and organizing career fair
- Raised \$12,000 for the Student Union

SKILLS

- **Technology:** Java (proficient), python (proficient), C (proficient), C++, MATLAB, C#, Spring frame, Django
- **Natural Language:** Chinese (native speaker), English

HONORS

- **Hartley Rogers Jr. Family Prize** Aug 2016
- **Putnam Fellow 2014** Dec 2014
- **Gold Medal in the 54th International Mathematical Olympiad** Aug 2013