

Yihe (Jason) Chen

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Work Experience

Salesforce.com, San Francisco, CA

September 2017 – Present

Software Engineer at Einstein Team

- Building Einstein applications to enable customers to utilize machine learning engine to power sales projection.
- Building hierarchical data flow for Customizable Report.
- Platformizing training data, recommendation result and machine learning engine configuration to enabling user to connect their own web application to Salesforce platform.
- Optimizing data and event pipeline between Salesforce cor app and off-core machine learning engine.

ShopSpring.com, New York, NY

April 2017 – August 2017

Software Engineer Intern

- Migrating backend TwoTap and Email Scraping service to a new framework with scalable infrastructure.
- Write new email scrapers based on new infrastructure.
- Design and implementing automatic order placing and tracking service

Gooroo.com (EdTech Startup), New York, NY

November 2015 – March 2017

Backend Engineer / Data Scientist

- Extract, model, and visualize data of more than 5K users from MongoDB in facilitating the investor deck.
- Model user data with Random forest and Linear Regression model.
- Work closely with CTO in implementing backend RESTful web service and backend side system design.
- Design and implement structure of ranking algorithm for tutoring service utilizing Random Forest Model.

GoIPO Private Equity Fund, Shanghai, China

Summer 2015

Financial Analyst

- Analyzed financial report of public listed companies in the online education industry in U.S. in order to facilitate the private placement of clients' equity to the institutional investors.

Education

Columbia University, Graduate School of Arts and Sciences

New York, NY

M.A. in Statistics

M.A. Degree obtained in Dec. 2016

Relevant Coursework: Advanced Algorithm, Linear Regression Analysis, Advanced Database Implementation, Machine Learning, Stochastic Calculus.

Georgia Institute of Technology, College of Computing

Atlanta, GA

M.S. in Computer Science (Machine Learning Option)

M.S. Degree obtained in Dec. 2019

Relevant Coursework: Machine Learning for Trading, Operating System.

Pennsylvania State University

University Park, PA

B.S. in Statistics Minor: Physics

Aug. 2013-May 2015

Relevant Coursework: Time Series Models, Stochastic Process, C++.

Academic Experience

Machine Learning for Trading, Georgia Institute of Technology, Atlanta, GA

Fall 2015

Independent Project of Q-Learning Automatic Trader

- Models and technology utilized: Linear Regression, K-means, Q-Learning, Ada Boost, Python, SciPy, Pandas.
- Implemented Auto trading framework in Python with SciPy and Pandas as an individual project.
- Daily price data of individual equities between 24 months period was used as the training and test data.

Patent, Additional Skills and Actuary Exams

- **Patent** :Chen, Yihe. 2016. COMPUTER IMPLEMENTED DYNAMIC PRICE-SURGE/DISCOUNT METHOD FOR PROVIDING TUTORING SERVICES. U.S. Patent 503914897, filed July, 13, 2016.
- **Programming Skills**: JAVA, JavaScript, Python, Node.js, SQL, JavaScript.