

HONGJIAN YANG

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EDUCATION

Cornell Tech *New York, USA* Fall 2015 - Fall 2017
Master of Information System, Connective Media
Selected Course: Advanced Programming Languages, Optimization Methods, Blockchains and Cryptocurrencies, Startup Systems Design and Engineering, Applied Machine Learning, Independent Study on Human-Computer Interaction

Peking University *Beijing, China* Fall 2011 - Fall 2015
Bachelor of Science, Computer Science
Selected Course: Analysis of Algorithms, Operating Systems, Compilers, Computer Networks, Information Visualization, Web Development, Human-Computer Interaction

AWARDS AND CERTIFICATES

Passed CFA Level 1 2019 December
Google Crowdsourcing Team Spot Bonus, Google 2017
Jacobs Institution Masters Fellowship, Cornell Tech 2016
Outstanding Intern Award, Microsoft Research Asia (Top 10%) 2014
President Fellowship, Peking University 2014

EMPLOYMENTS

Amazon December 2022 - Now
Senior Engineer / Tech Lead New York, USA

- Driving the development of cloud-native in-bound package planning services for all NA delivery stations for Amazon.
- Leading the launch of cloud-native route planning services that supports Manhattan Walker Delivery pilot.

Stripe September 2021 - December 2022
Infrastructure Engineer (Java, Scala) New York, USA

- Designed and led the development of document level access control for internal database client library.
- Led the development of the end-to-end index management pipeline for stripe Mongo databases, which supports hundreds of index building request every day.
- Reduced developer friction by improving the compile time enforcement of model definition written in Protobuf.

Citadel January 2019 - September 2021
Quantitative Developer (C++, Python) New York, USA

- Designed and led the development of the next generation internal volatility engine that calculates on **gigabytes of trade data and market data**, and updates risk metrics in real-time.
- Designed and led the development of Guideline service, a risk exposure monitor for all trading activities in real-time.
- Designed and led the development of a data pipeline that runs on daily basis to analyze transaction cost, fees, and commissions of all trades.
- Improved and maintained a fast querying framework of **multiple terabytes of historical risk metrics**.

Google August 2017 - January 2019
Software Engineer (Java, JavaScript) Mountain View, USA

- Drafted and launched the web frontend of [Google Crowdsourcing](#), a crowd sourcing data labeling platform, supporting image and text, and video dataset labeling.
- Built self-serving solution for potential internal clients to quickly onboard their dataset.

Beijing Spark Co. Ltd. March 2015 - July 2015
Frontend Developer (Ruby on Rails, Postgress, Backbone) Beijing, China

- Created social networking service for entrepreneurs.
- Refactored frontend to applied MVC model using **Backbone**.
- Built several **Rails** models (user, question, answer, comment), setup **Postgress** for storage.
- Implemented login process with role based authentication.

Beijing Giraffe Tech Co. Ltd. February 2014 - February 2015
Co-founder (Android, UI, JavaScript) Beijing, China

- Created smart wearable devices to help users get a better sitting posture.
- Designed and built product website and applied parallel scrolling using **jQuery** and **Semantic UI**.
- Created multiple infographic views for our Android App to present users' data on the device.
- Wrote a module to connect and synchronize data from our device to our Android App.

TECHNICAL SKILLS

Languages	C++, Python, Java, Scala, JavaScript, Ruby, Rust
Backend and Database	Kubernetes, Docker, Dagger, GRPC, Mongo
Frontend	React, Redux, D3js, Webpack