

Bianca Yang

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Education:

Caltech — Computer Science and Business, Economics, and Management **June 2019 (Expected)**

Skills:

Programming Languages: Python (2.7, 3+), VBA Excel, SQL Server, C (11, 14), R (3.3.2)

Data Analysis and Machine Learning Tools: pandas, scikit learn, numpy, matplotlib, asyncio/aiohttp

Overview:

A dedicated machine learning specialist and data science enthusiast with broad professional and academic experience that includes:

- Managing student investment fund to create value for the \$650k endowment
- Creating virtual reality data visualizations and machine learning insights at Virtualities
- Developing an AI toolkit to discover behavioral finance signals that can predict market returns
- Expanding online retail businesses into international markets through Amazon FBA
- Developing a machine learning model to detect voter fraud for the Caltech CS101 course

Experiences:

Machine Learning Consultant, Virtualities **Jan 2017 - Present**

- Developing a machine learning suite for a virtual reality data visualization platform.

Marketing Manager, Efficient Living **Jun 2015 - Present**

- Expanding business into Japan through Fulfillment by Amazon and managing digital marketing campaign to drive sales.
- Launching online retail business for whiskey lovers.

Co-President and Board Member, Caltech Student Investment Fund **Oct 2015 - Present**

- Writing value investing based curriculum to prepare fund members to manage \$650K endowment.

Junior Research Analyst, Fuller & Thaler Asset Management **Jul 2017 - Sept 2017**

- Created natural language processing algorithm to analyze financial news and SEC filings to improve returns.

Machine Learning Researcher, Caltech CS101 Course **Sep 2016 - Dec 2016**

- Used K-Means Clustering, DBSCAN, and pandas to detect voter fraud in Florida voter registration data.

Analyst, Caltech Investment Office **Jun 2016 - Sep 2016**

- Created portfolio monitoring tool using Bloomberg and Excel macros to aid in quarterly reporting.
- Tested a trading model using value and momentum as an alternative investment strategy for the endowment.

Achievements:

Program Participant, Grace Hopper Conference for Women in Computing **Oct 2017**

Program Participant, Twitter #DevelopH.E.R. Spring Camp **Jun 2017**