Bianca Yang
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Education:
Caltech — Computer Science and Business, Economics, and Management   **June 2019 (Expected)**
GPA: 3.6 / 4.0

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 data analyst and entrepreneur 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 Virtualitics
- Developing an AI toolkit to discover behavioral finance signals that can predict market returns
- Expanding efficientliving.com into international markets through the Amazon FBA network
- Developing a machine learning model to detect voter fraud for the Caltech CS101 course

Experiences:
Consultant, Virtualitics   **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**
- Implemented natural language processing and asynchronous web scraper 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, Twitter #DevelopH.E.R. Spring Camp   **Jun 2017**