

Bianca Yang

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Education:

Caltech — Computer Science and Business, Economics, and Management

June 2019 (Expected)

GPA: 3.9 / 4.0

Skills:

Programming and Scripting Languages: Python (2.7, 3+), C (11, 14), R, VBA for Excel

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

Spoken Languages: English, Chinese (Mandarin)

Overview:

A dedicated data analysis and finance practitioner with broad professional and academic experience that includes:

- 2 years leading Caltech's student portfolio management group to create value for our \$650k endowment
- 6 months developing 3D data visualization and machine learning insights for high dimensional breast cancer and retail data at Virtualitics
- 6 months expanding efficientliving.com into international markets through the Amazon FBA network.

Experiences:

Machine Learning Researcher, Virtualitics

January 2017 - Present

- Developing a 3D, virtual reality data visualization and analysis platform to change the way data scientists create insights.
- Project: Time Series and Virtual Reality Data Analysis for Sales Forecasting
- Project: 3D Insights for Predicting Disease Free Survival for Breast Cancer Patients (METABRIC)

Analyst, Caltech Investment Office

June 2016 - September 2016

- Created aggregate of public equities portfolio using Bloomberg to monitor fund performance.
- Tested a trading model using value and momentum as an alternative investment strategy for the endowment.

Co-President and Board Member, Caltech Student Investment Fund

October 2015 - Present

- Using value investing strategies to deliver value on \$650K investment portfolio.
- Researching quantitative algorithms for security valuation and allocation to improve portfolio Sharpe ratio.
- Disbursing \$20,000 of funds annually to student clubs to improve campus life and diversity of programs.

Marketing Manager, Efficient Living and Global Goddess Beauty

June 2015 - Present

- Implemented an advertising Amazon which delivered \$20,000 in additional sales over 2 years.
- Managing a team of 5 to expand Kanberra Gel business into Japan using the Fulfillment by Amazon platform.

Personal Interests:

Science Fiction | Water Recycling Systems | Meditation | The Pursuit of Happiness