

# Bianca Yang

Email: [ipacifics@gmail.com](mailto:ipacifics@gmail.com) • Tel: (760) 429-4377 • Website: <https://xrtd.github.io>

---

## **Education:**

**Caltech** — Computer Science and Business, Economics, and Management

**June 2019 (Expected)**

GPA: 3.9 / 4.0

## **Skills:**

**Programming and Scripting Languages:** Python (2, 3), VBA for Excel, C, R

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

**Spoken Languages:** English, Chinese (Mandarin)

## **Overview:**

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

- Developing 3D data visualization and machine learning insights for high dimensions breast cancer data
- Expanding US ecommerce businesses into international markets through the Amazon FBA network.
- Leading a student-led portfolio management group to create value for our \$650k endowment

## **Experiences:**

**Machine Learning Researcher, Virtualities**

**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**

- Analyzed performance of Caltech endowment public equities portfolio using the Bloomberg Terminal so endowment managers could monitor fund performance.
- Developed a portfolio aggregation model based on value and momentum signals as 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.
- Developing a series of lectures in value investing to educate and train new members.
- Disbursing \$20,000 of funds to student clubs to improve campus life and diversity of programs.

**Marketing Manager, Efficient Living and Global Goddess Beauty**

**June 2015 - Present**

- Implemented a SEO strategy on 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 s Water Recycling Systems | Meditation | The Pursuit of Happiness