

Bianca Yang

1200 E. California Blvd., MSC 949, Pasadena, CA 91126

Email: 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: 3.6 / 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:

- 2 years leading Caltech's student portfolio management group to create value for our \$650k endowment
- 6 months creating VR data visualizations and machine learning insights at Virtualitics
- 6 months expanding efficientliving.com into international markets through the Amazon FBA network.
- 3 months developing a machine learning model to detect voter fraud for the Caltech CS101 course.

Experiences:

Junior Research Analyst, Fuller & Thaler Asset Management

Jul 2017 - Present

- Implementing natural language processing algorithms to discover signals that can predict market returns.
- Skills: web scraper, asyncio / aiohttp, sentiment analysis, backtesting

Consultant, Virtualitics

Jan 2017 - Jun 2017

- Testing a virtual reality data visualization platform which streamlines data analysis.

Marketing Manager, Efficient Living and Global Goddess Beauty

Jun 2015 - Present

- Managing a team of 5 to expand Kanberra Gel business into Japan through Fulfillment by Amazon.
- Implemented an advertising campaign on Amazon to improve sales.
- Creating content and advertising for Facebook page to drive sales: <http://facebook.com/KanberraJapan>

Co-President and Board Member, Caltech Student Investment Fund

Oct 2015 - Present

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

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 - Sept 2016

- Created portfolio monitoring tool using Bloomberg and Excel to aid in endowment performance reviews.
- 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