

# ZIYI "CALVIN" WU

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## PROFILE

Master of Science in Business Analytics candidate from a top ten program. Strong analyst and team player, who is honing analytical skillset via a year-long practicum engagement helping a nonprofit organization by using analytical techniques.

**Specialties:** Exploratory Data Analysis, Data Wrangling, Data Visualization, Model Building, A/B Testing

**Technologies:** SQL, R, Python, Tableau, MongoDB, AWS, Azure, PySpark

**Certification:** AWS Certified Cloud Practitioner (K95897S2H2F1QLS5)

## EDUCATION

**University of California Davis, Graduate School of Management**

**San Francisco, CA**

Master of Science, Business Analytics

Jun. 2020

*Highlighted Coursework:* Data Management, Data Design, Advanced Statistics, Big Data, Machine Learning

**South China University of Technology (SCUT)**

**Guangzhou, China**

Bachelor of Engineering, Opto-Electronics Information Science and Engineering

Jun. 2019

*Highlighted Coursework:* Calculus, Linear Algebra, C++ Programming, Data Structures, Probability & Statistics

## HIGHLIGHTED EXPERIENCE

**Angel Flight West (AFW)**

**San Francisco, CA**

Data Analyst, Practicum Project

Sept. 2019 – Present

Angel Flight West is a non-profit organization that connects patients to pilots who are willing to donate flights.

- Used MySQL for data extraction and transformation on relational database with over 300 tables.
- Developed random forest model with 20 features in Python and Azure to predict the orientation lead-time for over 1000 pilots, with accuracy around 70%.
- Visualized 3000+ users behavior data in Tableau and proposed improvement for the current AFW platform.
- Used unsupervised clustering to classify over 1000 pilots and built descriptive personas for each segment.

## PROJECTS

**MLB Pitching Database Development**

Mar.2020

- Established a MySQL database that contains 2.8 million MLB pitches records and pitchers' information.
- Developed 6 random forest models to predict pitch types, with accuracy around 90%.

**Web-scraping: sponsor on eBay**

Mar.2020

- Scraped iPad information from eBay using Python and created a MySQL database to store data.
- Used pysql to run summary stats to identify the differences between sponsor and non-sponsor iPads.

**Venmo Transaction Analysis, PySpark**

May.2020

- Used text and emoji dictionaries to classify over 700 million Venmo transactions.
- Created spending behavior profile for 1 million users and explored user engagement for 12 months.

## ACTIVITIES

**School of Physics and Optoelectronics, SCUT**

**Guangzhou, China**

Competitive Swimmer

2015-2017

- Gold medalist in men's 100m and 200m freestyle in University Level Championship.
- Top 6 in men's 100m and 200m freestyle in Regional Championship.