

# Venchei Sanders

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## WORK EXPERIENCE

- Associate Data Scientist-ML**, Shipt Inc., San Francisco, CA Spring 2021 – Present
- Developed and Deployed Checkout Time Predictive Model for the Shipt Shopper App
  - Developed and Deployed Anomaly Detection model for Shop Time Drift and Decay
  - Automated detection and removal of outliers in training data for model retraining
- Data Analyst - Product Analytics**, Shipt Inc., San Francisco, CA Fall 2018 – Fall 2020
- Analyzed member behavior to aid in the development of Shipt's CPG business
  - Developed product engagement ETL's via docker, AWS Batch, and snowflake
  - Researched demand expectations and strategy for retailer additions to the marketplace
- Business Intelligence Analyst**, Shipt Inc., San Francisco, CA Spring 2017 – Fall 2018
- Analyst for a tech startup that was acquired via a merger with Target for \$550 million
  - Leveraged economic theory to research marketplace dynamics and inefficiencies within the business, affirming the potential for a \$1+million annual savings for the firm
  - Developed operation dashboards, lifetime value and contractor engagement models by using Textual Data Analysis and Poisson Regression
- Associate Analyst**, New Constructs LLC, Brentwood, TN Summer 2016
- Leveraged automation via computer vision to aid in the development of discounted cash flow valuation model(s) for clients including E\*Trade, Fidelity, Morgan Stanley, etc

## LEADERSHIP

- Al's Pals Graduate Assistant** Fall 2014 – Spring 2015
- Co-Developed the mathematical curriculum for the mentoring program
  - Supervised 200 undergraduate volunteers on a bi-weekly basis at a local elementary school
  - Managed the construction of an outdoor learning space
- Math Teacher**, Oak Hill School, Tuscaloosa, AL Fall 2013 – Spring 2014
- Alternative education secondary mathematics instructor
  - 13 out of 15 senior students who were formerly high school dropouts graduated at years end

## EDUCATION

- University of Alabama**, Tuscaloosa, AL
- **Master of Arts in Economics**, May 2015
  - **Bachelor of Science in Commerce and Business Administration**, December 2012  
Major: Finance Specialization: Quantitative Finance
  - **Bachelor of Science in Education**, December 2009  
Major: Secondary Education Mathematics

## PUBLICATIONS/ WRITTEN WORK

- DS:30 Podcast** – “From Teaching to Teach” Spring 2021  
A podcast feature where I discuss data science and my thoughts on career switching/transitioning
- Medium, Shipt Tech** – “Shop Time and the Area of a Square” Summer 2020  
Medium publication that explains Minimum Shop Time Expectations for a Shipt Shopper
- Master's Thesis Project** – “Can Money Buy Championships” Spring 2015  
Researched the returns to an organization due to capital investment in the quarterback position
- Learned that capital concentration into the position minimizes team success likelihood

## RELEVANT COURSEWORK

Financial Derivatives	Econometrics	Economic Forecasting
Financial Investments	Mathematics for Finance	Machine Learning

## PROGRAMMING

Highly competent in: AWS/Redshift, Docker, Git/Github, Python, R, SAS, and SQL

## INTERESTS

Machine Learning & Predictive Modeling, Traveling, Recreational Basketball