

# Jo Alan Castilleja

RESEARCHER / ANALYST / MENTOR

## SKILLS:

### Tech stack/software

- R, PostgreSQL, C++, Python 3, HTML, CSS, Git, Tableau, , GIMP, Inkscape, Heroku
- Dplyr, ggplot2, Flask, Bootstrap 4, dslabs, Word, Excel, SQLAlchemy, Linux (Ubuntu), tidyverse, ggthemes, numpy, matplotlib, sklearn, TensorFlow 2

### Analysis

- Market Research
- Data Set Modeling
- Regression Analysis
- Open Source Intelligence

### Business

- Corporate Communications
- Content Development
- Mentorship

## EDUCATIONAL HISTORY:

### Texas A&M University - College Station

*Major in Economics - December 2018*

## GET IN TOUCH:

Email: alan.castilleja.94@gmail.com

LinkedIn: /in/jo-alan-castilleja/

Github:

<https://github.com/alancastilleja>

Website: [https://portfolio-app-](https://portfolio-app-flask-demo.herokuapp.com/)

[flask-demo.herokuapp.com/](https://portfolio-app-flask-demo.herokuapp.com/)

## WORK EXPERIENCE:

### Decentralized Consensus Fellow

*Insight Data Science*  
2020

- Instituted changes within the Monero Codebase and presented my proposal to the Monero Community on whether it should be included within the next hard fork.
- The proposal would require all miners to take the maximum coinbase reward instead of being allowed to take less than the maximum reward
- worked in C++ to edit the codebase
- Once incorporated, the impact of this change would affect all Monero miners and their privacy on the network

### Research Fellow

*ConcourseQ*  
2017 - 2019

- Published due diligence for 50+ Initial Coin/Initial Exchange offerings for consumers, which include description of the project, use case, and their competition in the broader market. Link: <https://concourseq.io/U/skadoosh1>
- Accumulated a following of 1 500+ ConcourseQ users
- Pitched an idea for an article on Decrypt.co that was later published on the site for 500k+ users. Link: <https://decrypt.co/9091/the-true-cost-of-running-a-failed-ico>
- Was awarded a trip to New York City to attend Consensus 2018 as a Zcash scholar due to my work with ConcourseQ.

### Analyst

*Bx3 Capital*  
2018 - 2019

- Served as a client liaison between Bx3 and portfolio of early-to-late stage startups spanning various industries including Fintech, Entertainment, Energy, AI, and Enterprise Blockchain Solutions
- Organized prospectus and web content review sessions, control information sharing between multiple content owners, across multiple edits.
- Incorporated client feedback with consideration to token utility, competitive positioning, and legal compliance in a shifting regulatory landscape.
- Strategized, consulted, and implemented improvements to client whitepapers, token economic structures, and website design.

### Poll Worker

*Fort Bend County*  
2020

- worked with a team of volunteers to help over 20,000 voters in Fort Bend County check in to vote through three weeks of early voting and election day.
- Utilized my problem solving skill set to fix check in kiosks on the first day of voting when there was a programming error in the VoteSafe application.

## PROJECTS:

- Created several graphs to visualize carbon emissions utilizing several R packages such as tidyverse, dslabs, and ggthemes.
- Analyzed the esoph (Smoking, Alcohol and (O)esophageal Cancer) dataset to determine the probabilities of certain outcomes given each group's metrics.
- Created a portfolio website from scratch utilizing Flask, HTML, and CSS to promote my current skill set which I deployed to Heroku
- Visualized data from an instagram poll to get insight on whether attractiveness determines confidence versus arrogance utilizing matplotlib and numpy.