

# Nicholas Abad

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**Objective:** Seeking an opportunity as a data scientist in order to continuously develop and utilize my strong statistical and technical skillset after the conclusion of my data science masters program in September 2018

## Education:

- **M.S. in Data Science at Lancaster University** *Oct 2017 – Sep 2018 (expected)*
  - Top 10 university within the United Kingdom according to all major ranking publications
  - Awarded “University of the Year 2018” from the largest U.K. newspaper, The Sunday Times
  - Projects include: Fraud detection through the use of a random forest & a logistic regression model, image date classification through the use of a CNN, and wine quality classification using logistic regression
  - Courses include: Distributed Artificial Intelligence, Applied Data Mining, Bayesian Inference, Forecasting, Likelihood Inference, General Linearized Models, and Data Mining
- **B.S. in Mathematics, Computer Science minor at the University of San Francisco** *Aug 2012 – May 2012*
  - Member of the University’s honorary mathematics society Pi Mu Epsilon
  - Courses include: Statistics, Probability, Data Mining, Linear Algebra, Econometrics, and Math Modeling

## Qualifications:

- Fluent in using Python and R to implement supervised and unsupervised machine learning techniques for problems regarding regression, classification, clustering, dimensionality reduction, and exploratory analysis
- Advanced knowledge in the theory and application of data science topics such as predictive analytics, distributive artificial intelligence, data mining, both Bayesian and frequentist statistics, and probability
- Academic experience in both the scraping and pre-processing of data through the use of R
- Implemented various feature selection techniques such as backward elimination and forward selection
- Programming experience: Python (4+ years), R (3 years) and Java (2 years)

## Key Work Experience:

### NASA Ames Research Center

*June 2016 – April 2017*

#### Microgravity Project Intern

- Utilized my mathematical, statistical, and technical skillset in a laboratory setting in order to monitor and analyze the effects that the absence of gravity has on organisms
- Hands-on experience coding in Python in order to model the path that organisms, such as E. coli and tardigrades, take when put in our self-built rotating vessel
- Consulted with data scientists and bioinformaticians to help analyze and interpret experimental data

### University of San Francisco Business Analytics Department

*May 2015 – July 2015*

#### Research Assistant

- Accurately translated hundreds of lines of code from MATLAB to Python
- Assisted in gathering and analyzing data in order to determine which pieces were useful and relevant
- Collaborated with a team of professors and graduate students in order to develop an understanding of the food and hospitality markets specifically in the San Francisco region

## Additional Work Experience:

### University of San Francisco Department of Public Safety

*Jan 2013 to May 2016*

#### Call Taker Coordinator / Office Manager

*Nov 2014 to May 2016*

- Communicated effectively with a variety of safety personnel such as police officers, dispatchers, engineers, and shuttles while using proper radio commands
- Responsible for training multiple Call Takers each for a bare minimum of 120 hours
- Taught each trainee how to correctly assess, document, and respond to each and every emergency and non-emergency call that was received by the University

#### Call Taker

*Jan 2013 to Nov 2014*

- Used as the first contact for every emergency and non-emergency call coming into the University, while providing exceptional customer service to each and every caller
- Routinely displayed multitasking skills by gathering specific details from the caller while inserting every single piece of vital information into a computer database