Ted Jesus C. Chua

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Education

BA, Mathematics and Economics   Emory University, Aug 2017 - May 2021
- ❖ Coursework: Econometrics, Financial Econometrics, Applied Regression Analysis, Mathematical Statistics, Python Programming, Statistical Modeling, Linear Optimization, Empirical Methods & Machine Learning

Projects

- ❖ Implemented tree-based methods on Spotify data to predict the genre of a song based on audio features
- ❖ Scraped 28 song lyrics using the Genius API to compare & contrast Bruno Mars' three studio albums through word frequencies and sentiment analysis
- ❖ Performed regularized logistic regression to classify cardiovascular disease, achieving an accuracy of 70%
- ❖ Fitted a piecewise polynomial regression model to estimate the effects of different housing characteristics on residential property prices

Work History

Emory Division of Pediatric Infectious Diseases   Atlanta, GA
Research Analyst   Sept 2019 - Dec 2019
- ❖ Analyzed virus-cell fusions in Icy and ImageJ at the Melikian Lab to identify colocalizations, viral entry, and particles that culminate in infection

Atlanta Department of Watershed Management   Atlanta, GA
Safety and Security Intern   May 2019 - Aug 2019
- ❖ Communicated proper protocols of legally restoring service with Atlanta residents who are under investigation for illegal water consumption
- ❖ Researched properties flagged for water theft to determine discrepancies between tenant occupancy, billing information, and other relevant information

Emory Clinical Cardiovascular Research Institute   Atlanta, GA
Research Assistant   Sept 2018 - Apr 2019
- ❖ Collaborated with a team of researchers to manage the database of 7000+ patients who undergo cardiac catheterization at Emory University Hospital
- ❖ Evaluated diagnostic reports on patients' cardiovascular health to gather relevant findings for research in the genetic basis of cardiovascular disease

Staples, Inc.   Raleigh, NC
Sales Associate   Jul 2018 - Aug 2018
- ❖ Provided customer service in a fast-paced environment: addressing customer inquiries, processing kiosk orders & point-of-sale transactions, restocking merchandise, and answering phone calls in a timely manner

Additional Info

- ❖ Languages: Tagalog, English
- ❖ Software: Python, R