Luis G. Chinchilla-Garcia

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LINKS

luisgc2116.github.io/Personal-Website
linkedin.com/in/luisgchinchilla-garcia

FELLOWSHIPS

UFRP
UNDERGRADUATE RESEARCH FELLOWS PROGRAM
June 2016 - June 2018
Scholarship and fellowship from the Office of the Vice Provost for Undergraduate Education for excelling departmental research.

UC LEADS
BS IN COMPUTER SCIENCE
August 2014 - June 2016
Admitted to one of the top undergraduate fellowships at UCLA, with only 5-10 awarded each year - University of California Leadership Excellence Through Advanced Degrees Program (UC LEADS).

SKILLS

PROGRAMMING
Machine Learning:
Classification • Regression • Clustering • Feature Engineering • CNN • RNN and NLP • Recommender Systems

Statistical Methods
Regression models • hypothesis testing and confidence intervals • principal component analysis and dimensionality reduction • stochastic differential equations (SDEs)

Software and Programming Languages
Python(scikit-learn, numpy, scipy) • Tensorflow/Theano/Keras/PyTorch • SQL • Spark • LaTeX

EXPERIENCE

IBIDGAMES | DATA SCIENTIST
June 2016-Jan 2019 | Los Angeles, CA
- Designed and built statistical and machine-learning models, including the primary recommender system which increased prediction accuracy by 15%.
- Used models to solve business problems related to iBidGames' data pipeline, and communicated these solutions to executive stakeholders.

PLANETARY GAMING | CO-FOUNDER
June 2018 - September 2018 | Los Angeles CA
-As part of the UCLA Startup Accelerator program, I helped cultivate the design of a mobile multiplayer application using Unity and C#.
-Used statistical analysis to plan and execute business solutions which resulted in a 20% user growth.

310 TUTORS | PRIVATE TUTOR
Jan 2018 - June 2018 | Los Angeles, CA
-Taught multiple calculus, physics, and probability and statistics sessions for AP classes.

EDUCATION

UNIVERSITY OF CALIFORNIA - LOS ANGELES | BACHELOR OF SCIENCE IN ASTROPHYSICS
Fall 2014- Fall 2018
Completed three years of Astrophysical research with two research fellowships and two publications.

UNIVERSITY OF CALIFORNIA - BERKELEY | BUSINESS CERTIFICATION
Summer 2017
Business for Arts, Sciences, and Engineering (BASE) summer certification program with courses in marketing, financial accounting, and organizational behavior under the HAAS Business School.

STANFORD UNIVERSITY | STATISTICAL LEARNING CERTIFICATION
Summer 2018
Online certification for Statistical Learning with advanced mathematics, covering topics from Linear Regression to Unsupervised Machine Learning.

PUBLICATIONS AND RESEARCH

"A SEARCH FOR TECHNOSIGNATURES FROM TRAPPIST-1..." | ASTRONOMICAL JOURNAL | JAN 2019
Statistical analysis on 6 million signals from data near TRAPPIST-1 and improved our pipeline to classify over 98% of frequency regions.

"DUST TEMPERATURES IN THE GALACTIC CENTER LOBE" | AMERICAN ASTRONOMICAL SOCIETY | JUNE 2016
Performed statistical analysis and used a convolution model on 3 Terabytes of Astronomical data to establish a model for possible heating mechanisms on nebulas near the Galactic Center.