Luis G. Chinchilla-Garcia

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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 • Support Vector Machines • Reinforcement Learning

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 • Git/Github

LINKS

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

EXPERIENCE

IBIDGAMES | Data Scientist
June 2016-Jan 2019 | Los Angeles, CA
- Built the **recommender systems model** for an LA startup company which resulted in an **increase of user growth** by 15% and user retention by 20%.
- Cleaned user-item data to perform **Bayesian AB Tests** for new features to further increase user growth.
- Built explanatory **regression models** to communicate revenue and user growth 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 and features** in a mobile multiplayer application using Unity and C#.
- Used **statistical analysis** metrics to plan, predict, and execute business solutions to increase user growth and user retention.

310 TUTORS | Private Tutor
Jan 2018 - June 2018 | Los Angeles, CA
- Taught calculus, physics, probability, and statistics sessions which included AP test preparations.

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.