

# 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

#### UNDERGRADUATE RESEARCH PROGRAM

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) • C++ • TensorFlow/Theano/Keras/PyTorch/ TensorFlow Serving • SQL • Spark • LaTeX • Git/Github

## LINKS

[luisgc2116.github.io/Personal-Website](https://luisgc2116.github.io/Personal-Website)  
[linkedin.com/in/luisgchinchilla-garcia](https://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 nebulae near the Galactic Center.