

# Luis Chinchilla-Garcia

Data Engineer | Machine Learning Engineer

Los Angeles, CA  
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## Skills

### Machine Learning | Data Science

Tensorflow, NumPy, Pandas, PyTorch, Tensorflow Extended, Tensorflow Probability, Scikit-Learn

### Data Engineering

SQL, MySQL, PostgreSQL, MongoDB, GraphQL, Django, Flask, FastAPI, Firebase

### Web Development

Vue, Nuxt, ReactJS, NextJS, NodeJS, Express, HTML, CSS, TailWind

### Others

Git, Bash, Markdown, Docker

## Architectures

- Recommender Systems
- Transformer Models
- Transfer Learning
- Reinforcement Learning
- Natural Language Processing
- Ensemble Models
- Dimensionality Reduction Models
- Variational Inference Models
- Attention-Based Models

## Links

### Resume Website:

luischinchilla-garcia.io

### Github:

github.com/luischinchillagarcia

### LinkedIn:

linkedin.com/in/luisgchinchilla-garcia/

### Blog:

luisgc2116.github.io/cognitio.io/

## Experience

### 2019-Now Red Bull Media House

#### Data Engineer

- Analysis: Create repeatable exploratory data analysis with strong visualizations to aid the story-telling process utilizing tools like Jupyter/Colab
- Machine Learning: Architect solutions with scalability and cost effectiveness. Actively research and prototype machine learning models to create effective and scalable recommender systems
- Deployment: Deploy machine learning models using Tensorflow on cloud services as part of an end-to-end machine learning workflow
- API Integration: Collaborate with back-end engineers to integrate APIs and microservices with the platforms, using frameworks like Flask
- Front-End: Create and maintain an internal webapp using Vue/Nuxt for displaying predictions from deployed recommendation systems

### 2017-Now Logos

#### Lead Machine Learning Engineer

- Leadership: Lead the data science and machine learning teams to deploy complete end-to-end solutions
- Analytics: Communicate technical concepts and analysis implications to varied audiences and translate them into actionable business objectives
- Machine Learning: Utilizing reinforcement learning, Bayesian, and Monte Carlo based methods, and transfer-learning to create state-of-the-art models
- Data Engineering: Develop robust and scalable end-to-end machine learning pipelines and scalable APIs using TensorFlow Extended and Google Cloud Platform(eg. BigQuery, Dataflow, AI Platform, Kubeflow)
- Product Managing: Organize and distribute resources to create complete and evolving machine learning solutions

## Education

### 2014-2018 University of California, Los Angeles

Bachelor of Science, Astrophysics.

Completed 3 years of Astrophysics research with publications in the Astrophysical Journal and the American Astronomical Society(AAS)

## Projects

### 2018 SETI Publication

Part of a publication on possible technosignatures from the TRAPPIST-1 system using Green Bank Telescope data

Research

### 2019-NOW Cognitio

Articles related to Machine Learning, mathematics, physics built with the aim to provide in-depth mathematical descriptions.

Project