Jerónimo Aranda Barois

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Instituto Tecnológico Autónomo de México [ITAM]

Bachelor of Applied Science **(B.A.Sc.)** in **Applied Mathematics**
Bachelor of Engineering **(B.Eng.)** in **Computer engineering.**
Expected Graduation Date: December 2019
Working on undergrad [thesis](#) on **liquid brains**, courses finished.
Grade Point Average: 8.8 out of 10 (GPA 3.52)
Spanish and **French** (native), **English** (advanced, **IELTS** and **CAE**).

Australian National University [ANU]

Exchange student for 6 months. Courses in **computer vision**, **artificial intelligence**, **dynamic systems** and **statistical inference**.

TECHNICAL SKILLS

Programming skills:
- Python (Numpy, Pandas, Scikitlearn, keras & TF, openCV, Matplotlib)
- Java, Matlab
- SQL, elasticsearch
- Git
- Cloud computing (**AWS** and **google cloud**)

Analysis skills:
- Optimization and large scale modelling.
- Linear Algebra and Statistics.
- Interested in cross domain information processing in **finance, ecology, NLP, CV, AI, ML, DL** and **visualizations.**

WORK EXPERIENCE

01/20- to date **Data engineer** at **Deep dive**
Working with a **multiplatform** dialogflow **chatbot** for large scale cloud deployment. Development includes, sentiment analysis, NER, cloud services (API's, serverless functions and elastic search logging) as well as train and deploy of text generation models.

06/19-07/19 **Morgan Stanley Capital International inc.**
Summer research intern working with a **CNN NLP** model, I did some model improvements, performance tests and product development. Modelling was about detecting **ESG** exposure metrics on government **10K** documents.

08/19-12/19 **Data consultant** at **OpenBlender**
Developing Jupyter notebook use cases for OpenbBlender. **Recommender system** and **NLP** Bitcoin **price predictor** based on headlines.

Summer of 2018 **Piece work Cherry picking and Food delivery bike riding**
And
03/17 -5/17 Did 2 months of **piece work** cherry picking in the Canadian outback near **Vancouver** and delivered food bike riding in the Australian capital, **Canberra.**

DEVELOPED PROJECTS

Fall 2019   [Cara a Cara](): Memorial installation that shows the **face** of the Mexican disappeared person that most resembles yourself from a 2500 image database we **scrapped**. Includes other strong **fact checking** and a sensitive **VR Oculus Go** expierence designed for **reflection** and **empathy**. Developed in **Flask, RPI** and **Python** as social work at [DataLabITAM](). The installation is touring around different venues as universities, museums and festivals.

Current   **Writer at Towards Data Science**: *Visual exploration of Mexico city public bike sharing system (*[ecoVIZ]()*)*, and [What moves Bitcoin?](). *2* **peer reviewed** articles focused on visualizing information using ML and data science.

Summer of 2019   **COSAbot:** Image processing **bot** in twitter. Scrapes images, or receives them as a twit, then filters them with visually appealing mathematical transformations and reposts them. [Twit]() him something.

02/17-to date   **Information processing Jupyter notebooks**: Implemented some tools for **computer vision**, **nlp**, **data science**, and other topics. [Clone]() the notebooks.

03/18-05/18   **Leather shoes**: Bought some leather an did 2 pairs of **simple** and **functional** leather shoes.

AWARDS AND LEADERSHIP

- First place in **data visualization** contest of Mexico city public bike system ECOBICI by **CIMAT**, check the [report]().
- "Beca Generación Bicentenario" High Academic Achievement Scholarship through high school and university honoring the 200 **Mexico** national anniversary, Nacional Monte de Piedad, 2010.
- **Competitive programming** contestant at **ACM-ICPC** Mexico & Central America regional tournament, which was held at Guadalajara, Mexico, 2015
- **90%** Merit Based Scholarship, **ITAM,** 2014
- Member of the ITAM Applied Mathematics student association, 2015.
- Triathlon contestant in the Mexico **National Olympiads**, Veracruz, 2014.
- Half IronMan(triathlon) and half marathoner.