

JOSE AGUSTIN BARRACHINA

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<https://github.com/NEGU93>

EXPERIENCE

CNRS

Laboratory of Subatomic Physics & Cosmology

September 2018 - present

Grenoble, France

- Fast electronics & data acquisition for Mimac-FastN



Cisco Systems

Service Provider for AMX

November 2017 - April 2018

Buenos Aires, Argentina

- Software System Engineer Intern



Intituto Tecnológico de Buenos Aires

Neural Networks teaching assistant

August 2017 - December 2017

Buenos Aires, Argentina

- Teaching assistant the course Neural Networks where several lectures were given, corrected exams and works and helped with the organization of the course itself.



École des Ponts

Navier Laboratory

January 2015 - February 2015

Paris, France

- Software simulation of energetic consumption on buildings in terms of its morphology using Energy Plus



SOFTWARE PROJECTS

Anime DCGAN

AI using a Deep Convolutional Generative Adversarial Network

July 2018 - August 2018

Anime faces generation AI programmed on Python

LipSync

Voice processing Python project with GUI

August 2017 - December 2017

Implementation of a Recursive Neural Network (RNN) to detect phonemes on a speaking audio & other voice processing techniques

C Compiler

Java project (Over 9k lines of code)

September 2016 - December 2016

Compiler to generate a x86-64 assembler code from a C fragment

Forbidden Desert

C++ Project with GUI (Over 7k lines of code)

August 2015 - December 2015

Videogame implementation of *Forbidden Dessert*, a 2 player board game playable over LAN connection

EDUCATION

ITBA

Electronic Engineering focus on Signal Processing

March 2012 - July 2018

Performance: 7.14 / 10 (top 2 over 26)

École Polytechnique

International Exchange Program

Sept 2016 - March 2017



COMPETITIONS

- Hackathon J.P. Morgan - ITBA
3rd prize over 20 participants

- ITBA electronics exhibition
3 times participant awarded by several companies as the best project

- IEEEExtreme 24-Hour Programming Competition

- IEEEExtreme 11.0 position 391 over 3350 (percentile 88)
- IEEEExtreme 9.0 position 275 over 2035 (percentile 86)
- IEEEExtreme 8.0 position 536 over 1853 (percentile 71)

- IEEEExtreme Practice IEEE - ITBA
position 2 over 15 (percentile 87)

- Argentinian Math Olympiad
Participation many years in a row

PROGRAMMING



LANGUAGES

- Spanish
Native

- English
 - C1 CAE Cambridge
 - TOIEC score: 940 / 1000

- French
 - A2 French Alliance (DELF)
 - B2 TCF