

# BRANDON BELTRAN

## CONTACT INFORMATION

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## ABOUT ME

Computer engineering student, game development aficionado, mechanical keyboard enthusiast. Currently living in Mexico City.

**Conversational English** with a (expired) **TOEFL B2** certificate.

## SKILLS

- I can explain complex topics with uninformed people using simple concepts.
- Problem solving with critical thinking. Always flexible.
- Quick to catch up.

## EDUCATION:

**Student** at the National Polytechnic Institute – Computer Engineering

**GITMA 2018:** Conference cycle focused on artificial intelligence, celebrated at the Monterrey Institute of Technology and Higher Education.

**Hackathon BBVA Bancomer 2019:** ParQR. Javascript app that generates QR codes to aid payments through BBVA phone application.

**Python programming with applications in the scientific field:** 35-hour long python course imparted in the Computing Research Center CIC IPN. Basic usage of matplotlib, pandas and tensorflow for data science.

## WORK EXPERIENCE

### 505. agency

*Front-end developer* - July 2019 through February 2021

- Created fully function websites from sketch files and simple mockups.
- Exchanged information with other developers to ensure proper integration.

### School projects

**Artificial Intelligence:** A variety of graphical programs to test search and genetic algorithms. Made in Python 3 with PyQt5.

**Pokémon battle simulator:** Developed in Java with a simple graphic interface built on JavaFX.

**Mexican association Quidditch webpage:** Fantasy website deployed on a local apache server. Completely written in Java with servlets.

**Regalos Mágicos:** Fictional website made for gifts shipment. I was responsible on the route calculation and geolocation with the Google Maps API.

**Data bases:** Design and query from the fictional intergalactic federation database, their spaceships, weapons, and pilots. 38 tables approximately.

## PERSONAL PROJECTS

**GitHub** - <https://github.com/armastardo>

**RolePyGame:** Game engine for text adventures developed in Python 3.

**RSS Checker:** RSS consultant developed in Python 3 and PyQt5.

## SOFTWARE (WITHOUT CERTIFICATIONS):

**Python 3:** 4+ years on personal projects as well as school projects. Familiar with **PyQt5**. Basic usage of tensorflow, pandas and matplotlib libraries.

**Git:** Basic git usage in command line and desktop client.

**Java:** Basic knowledge and GUI development swing and JavaFX2.

**Pure Javascript:** Basic experience on front-end development.

**Bootstrap and Materliaze:** Extensive knowledge through web development.

**C:** Used in subject to develop automats and videogames (Allegro/Winbgim).

**Inkscape:** Multiplatform vector graphics editor ([deviantart.com/bbr-a/](http://deviantart.com/bbr-a/)).

**Linux:** Basic knowledge, enough for personal use.