

# Federico Miguel Huguet Mack

[federico.huguet@outlook.com](mailto:federico.huguet@outlook.com)

+52 1 811022- 8696

[Github: fedehuguet](#)

[Linkedin: Federico](#)

## WORK EXPERIENCE

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### Espacios de México

Monterrey, N.L., México

Junior Developer

June 2017 - Present

Working on Tere Nava(2 team members), a web application that offers online medical courses for Spanish speaking countries.

- We are building the app using the Laravel Framework which includes PHP, MySQL, jQuery and AJAX.
- Contributed solving a data redundancy problem by suggesting the analyst a redesign of the database that besides dealing with the issue, also reduced queries, consequently improving the app performance.

### Towa Software

San Pedro Garza García, N.L., México

Software Engineer Intern

May 2016 - Oct 2016

Worked on myOmny(8 team members), a mobile POS that syncs with QuickBooks and offers business insights for business merchants.

- Developed in C# and includes SQL, Entity Framework, and Microsoft Azure.
- Contributed developing WebJobs that send daily transaction reports by e-mail to merchants.

## PERSONAL & ACADEMIC PROJECTS

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### Botzilla (Personal)

August 2017

A Telegram chat bot that helps Sigma's employees to solve common problems like resetting their password.

- Awarded the first place of HackMTY Sigma Alimentos Challenge. The project was developed by a team of four.
- The bot includes AI, Machine Learning and NLP by communicating with IBM Watson.
- The web service developed in PHP, Python and Javascript generates and handles HTTP requests to Watson and Telegram.
- Contributed including Business Intelligence by developing a dashboard that displays relevant data from the conversations stored in a MySQL db. I also helped to develop the web service.

### Stock Forecast (Personal)

July 2017

A Machine Learning algorithm that predicts stock prices using regression and daily data from 3,000 US companies.

- Developed in Python and includes the usage of Matplotlib to graph the forecast.

### TesserCats (Personal)

November 2015

An Optical Character Recognition app. that reads passport information, displays it and generates a spreadsheet.

- Includes the usage of Google Tesseract OCR engine and was developed in Java by a team of four in a hackathon
- Contributed training the OCR using SunnyPage and writing the logic to read the passport information.

### HexaFM (Academic & Personal)

November 2015

An iOS game where users rotate an hexagon so that the bouncing ball collides on the base of its color.

- Developed in Swift. Contributed writing the logic that enabled the hexagon to rotate counter-clockwise.

## EDUCATION

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### Instituto Tecnológico y de Estudios Superiores de Monterrey

Graduating in December 2019

Bachelor of Science in Computer Science and Technology Engineering (BCT)

GPA 95/100

#### Online courses

- Machine Learning (Stanford, Coursera, Currently enrolled)

## SKILLS

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### EXTRACURRICULAR AWARDS

Winner: HackMty Sigma Challenge (2017)

Champions: High School soccer representative team (2015)

Top 10/400 more involved students in extracurricular activities. (2015)

### PROGRAMMING LANGUAGES

PHP, Ruby, C++. C#, Java and Python

### Extra

Languages: English (Fluent) , French and Italian (Beginner)

Sports enthusiast: Soccer, football, Tae-Kwon-Do, and surfing.