Federico Miguel Huguet Mack

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WORK EXPERIENCE

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

Botzilla (Personal)   August 2017
A Telegram chat bot that helps Sigma's employees to solve common problems like reseting 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

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

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.