


# Oscar Fernández Moreno

Computer Systems Engineer **Student**

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## EDUCATION

**Tecnológico de Monterrey, Guadalajara** — *B.S. Engineer's Degree in Systems Engineering*

August 2018 - December 2022 (**Expected**)

## PROJECTS

**Contalytics (HACKATTACK IBM 2019)**— *October 2019*

- My teammate and I participated in a contest to help the production company of IBM to control the storage and the server assembly process. I used **IBM DB2** to manipulate the data, **IBM Push Notification**, **Python** to clean the data and **Flask** to connect the data base with the page that we made in **ReactJs**.

**Teotihuacan Brewery Sales Forecast JDA (HackMTY 2019)**— *August 2019*

- It was a competition where we received 10 million rows about forecast of three months of data. We needed to make this, I filled-out missing information and I fixed extreme outlier handling to standardize the information and use Kmeans to group the data by date using **Python** and **Pandas** in **Anaconda**.

**VISION (INC Healthathon TecSalud-IBM)**— *October 2018*

- My 3 teammates and I develop a platform to detect the skin cancer by spots on our free time. I used **JavaScript**, **HTML**, **CSS** and **IBM Watson**.

**DataOverflow (Social Data Challenge 2018)**— *October 2018*

- I participated in a contest to help our community with data science, our team was analyzing a data set of the air pollution I was working with **Pandas** and **Anaconda**, I used **Python** to generate a linear model to detect the main cause of the increase in contamination in the last years.

**Diversify (HackMTY 2018)**— *August 2018*

- My team of 3 and I developed an IOS app and a Web Page to create more connections with the people. I helped with the back-end part connecting a **Facebook API**.

**PayPrime (Personal University Project)**— *September 2017*

- I developed with an incredible team of 3 a **Java** app that was a Personal Mobile Diary for the Management of Customers, Payment and Purchase of products. I made contribution on the front-end part using **Android Studio** in association with an university in my city during my spare time.


## COURSES


**Platzi, Platzi**— Calculus Course For Data Analysis— June 2020


- I learned concepts of differential calculus, integral calculus and multivariable calculus that has helped me for my data science projects in my free time.

**IBM, Bluehack Community Mexico**— **Watson APIs**— June 2018

- Working with **IBM Cloud** and learning how to create apps using Watson. It was interesting to learn all that stuff searching by my own.

 Zapopan, Jalisco, **México**.

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## PROGRAMMING LANGUAGES & TOOLS

- **Languages:** Python, Java, C++, C#, Kotlin, JavaScript
- **Tools:** Atom, Eclipse, Visual Studio Code, Wakatime, Oracle Apex, MySQLWorkbench, Unity, iTerm2, IBM DB2, Firebase, IBM Watson, ReactJs, Bootstrap, Flask, Android Studio, UnityHub, Unity, Anaconda, Pytorch, Google Colab, Adobe XD.

## RELEVANT EVENTS

- Attended IV National Congress of Technologies of Education in the Benemérita Universidad Autónoma de Puebla in the Faculty of Computer Sciences in **workshops** and **conferences**.
- Organized a conference in the Centro de Bachilleres Tecnológico Agropecuario No. 75 of Acatlán de Pérez Figueroa, Oaxaca, to **motivate** the young people during the 24th **National Science and Technology Week**. (Related to Personal Project **PayPrime**)
- Participated in Expociencias (Veracruz) with **PayPrime** (**Technology Contest**) September 2017.
- Attended **conference** IBM DataStage, Data Warehouses, and Data Security in Bosch Guadalajara Connectory a place for entrepreneurs, startups and universities.

## EXTRACURRICULARES ACTIVITIES

- **Member** of the DataLab Community which carry out activities related to **Data Scient**, **Machine Learning**, **Algorithms**, **AI** and so on.

## LEADERSHIP

- **Gold medal** in State Olympiad of Computing
- **National Olympiad of Computing** representing Veracruz with Karel (Pascal)
- **ACM Member**

## LANGUAGES

- Spanish (Native)
- English (Advanced)