

# Eduardo Blancas Reyes

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## Education

- 20011-2015**      **B.S. in Mechatronics Engineering.** Monterrey Institute of Technology and Higher Education.  
GPA: 92/100. Graduated with outstanding performance in the exit examination.
- 2014**            **Smart Cities and Universal Design Certificate.** University of Barcelona.  
Score: 95/100

## Experience

- August 2015-present**      **Data Science Fellow.** Center for Data Science and Public Policy. *The University of Chicago.*  
The Center for Data Science and Public Policy is an initiative of The University of Chicago to promote the use of Data Science in policy research and practice.
- June 2015-August 2015**      **Data Science Fellow.** The Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship. *The University of Chicago.*  
DSSG is a summer program for aspiring data scientists to work on data mining, machine learning, big data, and data science projects with social impact.
- January 2014-May 2015**      **CTO and co-founder.** Fritime  
Fritime is a Mexican startup that helps users discover new venues based on its interests through a mobile app. The first product iterations were developed by me and eventually I led the technical team. I left my position to pursue a career in Data Science.

## Major projects

- 2015**            **Blight Prevention: Building Strong and Healthy Neighborhoods in Cincinnati**  
Working with the City of Cincinnati's Chief Performance Officer in a second iteration of the project. The objective is to develop a predictive model that helps to prioritize resource allocation to combat the blight phenomena in the city.
- 2015**            **Reducing Home Abandonment in Mexico**  
Infonavit is the largest mortgages provider in Mexico and was created to assist low-income families to acquire a house. My team developed a model to predicts home abandonment in a given location. Our work is helping Infonavit to suggest

public policy changes at the federal level to mitigate abandonment and improve economic outcomes for the population in Mexico.

## 2014 **GobMX**

The Mexican federal government launched a competition to develop a mobile application that will serve citizens to do legal paperwork easier. My team won such contest and signed a contract to work on the official project, which is expected to be used by hundreds of thousands of citizens.

## 2014 **Ayoui**

HackDF was the first *hackaton* ever organized by the Mexico City's Government. My team and I proposed a digital service to help citizens in their paperwork duties as well as to foster bureaucrat evaluation through crowdsourcing. Our prototype won first place and was a key factor that led the federal government to launch a nationwide competition for a similar service.

## 2013 **Mi Congreso**

Mi Congreso is a mobile application that helps citizens in Mexico follow Congress activity and provides tools for democratic participation. The project received recognition from the Chamber of Deputies and later on, was granted Honorific Mention in the 3rd National Prize for Innovation in Transparency, organized by the World Bank and the National Institute for Information Access.

## 2011 **Aditum**

Transit officials bribery is one of the most commons forms of corruption in Mexico. Oftentimes, this happens due to intimidation from officials to drivers. Aditum is a mobile application that provides a search engine to look up the transit law instantly thus, helping citizens in Mexico City to defend themselves. The project has received attention from the media and was a top app in the Mexican Apple App Store.

## **Awards**

- 2011-2015 – *Academic talent* scholarship during my 9 semesters in college (Monterrey Tech)
- 2015 – CENEVAL National Performance Excellence Award
- 2014 – TEDx ITESM CCM Speaker
- 2014 – 1st Place in HackDF (Mexico City's Head of Government)
- 2013 – Honorific Mention 3rd Prize to Innovation in Transparency (World Bank, INAI)
- 2011 – Honorific Mention in *App 115* Challenge (Mexico's Chamber of Deputies)
- 2011 – Physics Honors Program at Monterrey Tech

## **Skills**

**Programming languages**     **Advanced** - Python, R, Objective-C. **Intermediate** - SQL, C. **Basic** - Bash, Matlab, Java, Julia.

**Platforms**     **Advanced** iOS. **Intermediate** UNIX. **Basic** Android.

<b>Frameworks</b>	<b>Advanced</b> scikit-learn. <b>Intermediate</b> NumPy, SciPy, Pandas, Spark.
<b>Others</b>	Electronic design, PID control design, embedded systems, instrumentation, signal conditioning.

## Press

- **Eduardo Blancas (IMT'15) sobresale en Data Science for Social Good.** *Tecnológico de Monterrey*. September, 2015.
- **Infonavit Project: Reducing Home Abandonment.** *DSSG blog*. August, 2015.
- **2015 Fellow Profiles: Eduardo Blancas Reyes & Eugenia Giraudy.** *DSSG blog*. May, 2015.
- **¿No sabes cuándo circula tu auto? Revisa estas 'apps'.** *CNN México*. August, 2014.
- **#HACKDF: Festival de datos en Ciudad de México.** *La Nación*. February, 2014.
- **HackDF convoca a la ciudadanía a utilizar los datos que las secretarías del GDF generan y recaban con el objetivo de ideas y desarrollar aplicaciones que mejoren la vida en la ciudad.** *LabCDMX*. February, 2014.
- **Una nueva versión de ciudadanía está disponible, ¿desea actualizar?.** *TEDx ITESM CCM*. July, 2014.
- **Interview in ForoTV (Spanish).** *Televisa ForoTV*. February, 2014.
- **Premian app utilitaria.** *Reforma Newspaper*. January, 2014.
- **Los piratas cívicos encuentran el botín de los datos mexicanos.** *Yorokobu*. January, 2014.
- **Jurado elige a los ganadores de la 3ª edición del premio a la innovación en transparencia para la mejora de la gestión institucional.** *World Bank*. August, 2013.
- **Le ahorran alumnos del Tec de Monterrey al Gobierno Federal 115 MDP.** *Tecnológico de Monterrey*. June, 2013.
- **Premia Cámara baja nueva app... gratuita.** *Reforma Newspaper*. April, 2013.
- **Bringing Down The Mexican Tech Mafia: How Hackers Stopped A \$9.3 Million Fraud.** *TechCrunch*. April, 2013.
- **115 millones por una aplicación o la necesidad de servicios web útiles en México.** *Gizmodo en español*. March, 2013.

## Online courses

- Data Science Specialization (Coursera)
- Machine Learning (Coursera)
- Mining Massive Datasets (Coursera)
- CS100.1x: Introduction to Big Data with Apache Spark (edX)
- CS190.1x: Scalable Machine Learning (edX)
- Introduction to Data Science (Coursera)
- Pattern Discovery in Data Mining (Coursera)
- CS169.1x: Software as a Service (edX)
- CS169.2x: Software as a Service (edX)
- Introduction to Computer Science and Programming (edX)
- Programming Mobile Applications for Android Handheld Systems (Coursera)
- Cloud Computing Concepts (Coursera)
- Human-Computer Interaction (Coursera)
- Gamification (Coursera)

- Control of Mobile Robots (Coursera)
- Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship (Coursera)
- 15.390x: Entrepreneurship 101: Who is your customer? (edX)