Eduardo Blancas Reyes

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Education

2011-2015

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.

Grade: 100/100

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 application. The first product iterations were developed by me and I led the technical team when the company grew in size. 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 **Rayid Ghani** and the **City of Cincinnati's Chief Performance Officer** in developing a predictive model to **combat the blight phenomena** in the city. The project will help prioritize resource allocation for home inspections.

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 and I developed a model to **predict home abandonment**. 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 would serve citizens to ease legal paperwork. My team won such contest and signed a contract to work on the **official project**. The first version was released in early 2016 to millions of citizens all across the country.

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 received attention from the media and was a **top app in the Apple App Store in Mexico**.

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 and Mathematics Honors Program at Monterrey Tech

Skills

Programming languages	**Advanced** - Python, R, Objective-C. **Intermediate** - SQL, C, Bash. **Basic** - Matlab, Java, Julia.
Platforms	**Advanced** iOS SDK. **Intermediate** UNIX. **Basic** Android SDK.
Frameworks	**Advanced** scikit-learn. **Intermediate** Pandas, Spark. **Basic** NumPy, SciPy.

Others	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)