

# Eduardo Blancas Reyes

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## Education

- January 2011 - May 2015**      **B.S. in Mechatronics Engineering.** Monterrey Institute of Technology and Higher Education.  
GPA: 92/100. Graduated with outstanding performance in the exit examination.
- Winter 2014**      **Smart Cities and Universal Design Certificate.** University of Barcelona.  
Grade: 100/100.

## Experience

- June 2016 - Present**      **Backend Engineer.** *Krieger.* Mexico City.
- RESTful Web Services development using Scala
- May 2015 - June 2016**      **Data Science Fellow.** Center for Data Science and Public Policy. *The University of Chicago.* Chicago, IL.
- Data Pipeline development using Python, PostgreSQL, PostGIS and Docker
  - Designed a Machine Learning model for Infonavit (largest mortgage provider in Mexico) to predict home abandonment. Worked with more than 100GB of data.
  - Designed a Machine Learning model for the City of Cincinnati to find properties at risk of blight using spatiotemporal data. Worked with more than 50GB of data.
- January 2014 - May 2015**      **CTO and co-founder.** Fritime. Mexico City.
- Lead a technical team of 3 people
  - Full-stack developer: iOS app and RESTful Web Services development
- June 2011 - January 2014**      **Independent Mobile App Developer.** Mexico City.
- Developed several mobile 'civic apps' for iOS, which helped user access public information (e.g. traffic law) to prevent corruption
  - My work was covered in major media sources and recognized by institutions such as the World Bank and the Federal Government of Mexico

## Publications

- K. Ackermann, **E. Blancas Reyes**, S. He, T. Anderson Keller, P. van der Boor, R. Khan, R. Ghani. Designing Policy Recommendations to Reduce Home Abandonment in Mexico. In Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, KDD '16.
- **E. Blancas Reyes**, J. Helsby, K. Rasch, T. Kaufmann, P. van der Boor, L. Haynes, R. Ghani. Early detection of properties at risk of blight using spatiotemporal data. Data for Policy 2016 - Frontiers of Data Science for Government: Ideas, Practices, and Projections. University of Cambridge. [Accepted but not published yet]

## Volunteering/Open Source

- June 2016-Present – **sklearn-evaluation** – Python package to evaluate Machine Learning models. Integrates matplotlib and scikit-learn providing a high level API to plot, generate tables and HTML reports.

- May 2016 – **Stanford Crowd Course Initiative** – During two weeks I volunteered to participate in the development of the **Practical Machine Learning with Python** course. I designed most of the syllabus and provided code examples using scikit-learn and pandas.

## Awards

- 2016 – Fulbright-García Robles scholarship recipient
- 2011-2015 – *Academic talent* scholarship during my 9 semesters in college (Monterrey Tech)
- 2015 – CENEVAL National Performance Excellence Award
- 2014 – Reto GobMX - I was part of the team that obtained a contract with the Federal Government of Mexico through an open competition
- 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

<b>Advanced</b>	Python, R, Objective-C
<b>Intermediate</b>	UNIX, SQL, Bash, Scala, PostGIS
<b>Basic</b>	C, Matlab, Java, Docker, MongoDB, Apache Spark, Android

## 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.