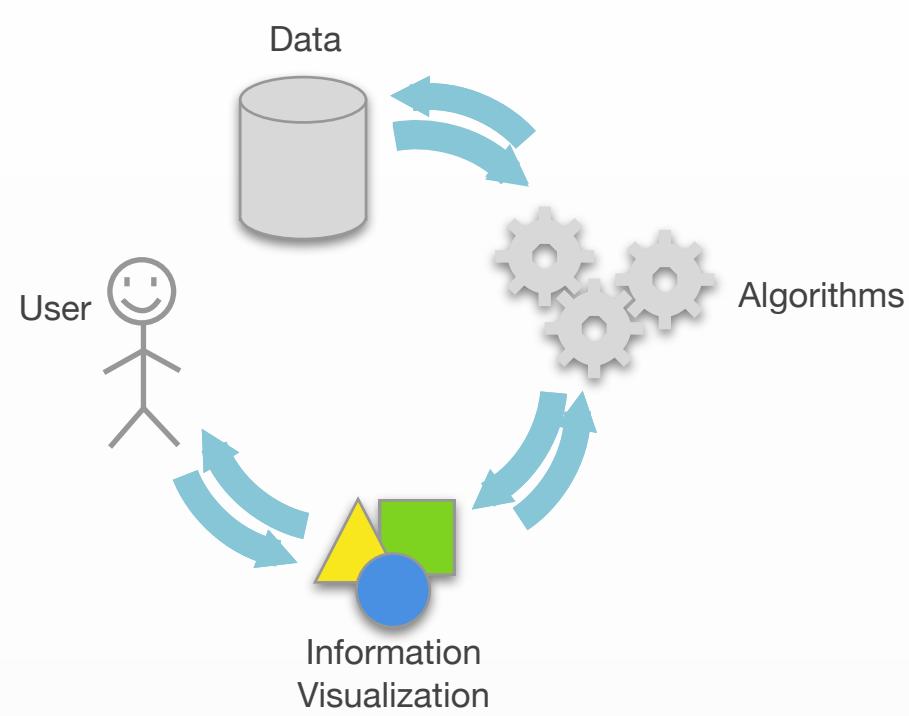


# John Alexis Guerra Gómez

I do **Visual Analytics**, i.e., I include the user in the **data analysis loop**.

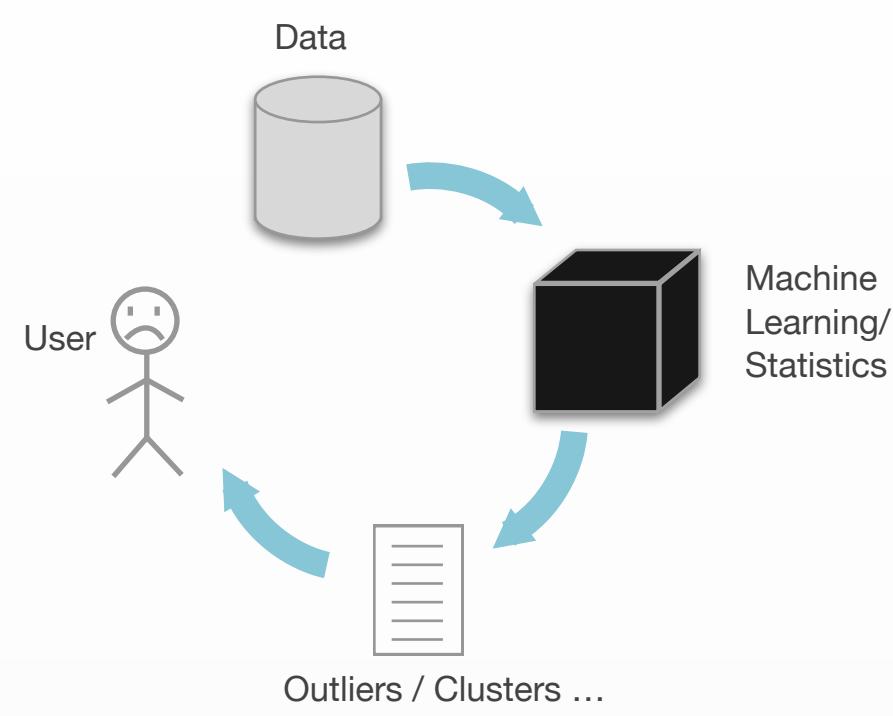
john.guerra@gmail.com  
http://johnguerra.co

## Visual Analytics



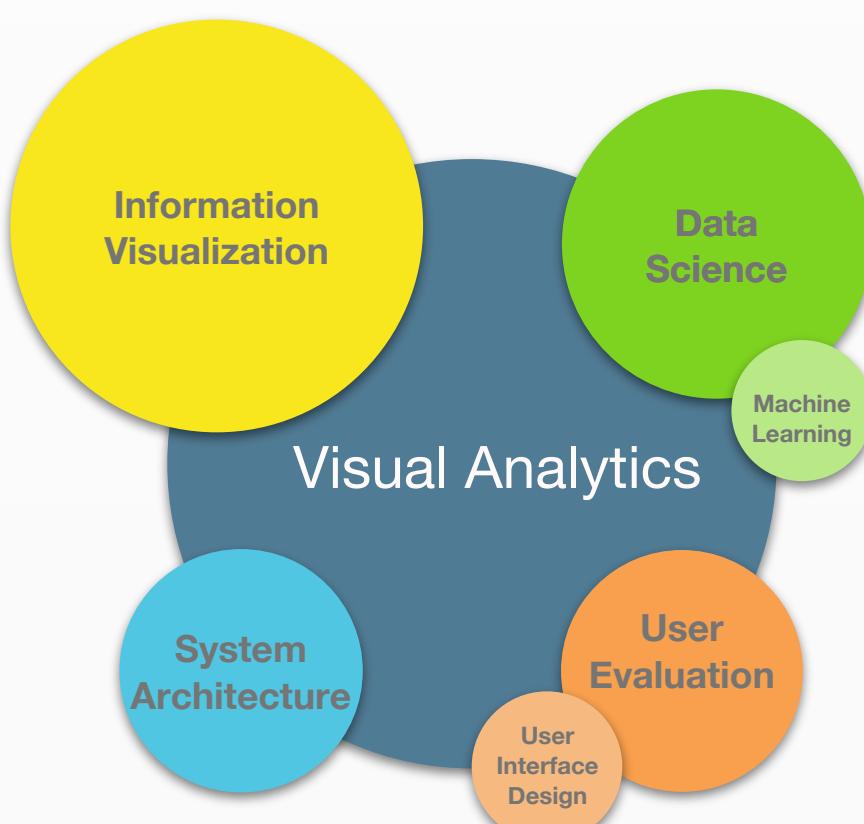
I create **visual analytics** systems that leverage interactive **information visualizations** and powerful algorithms to enable users to explore their own data to find actionable **insights**.

## Traditional data science

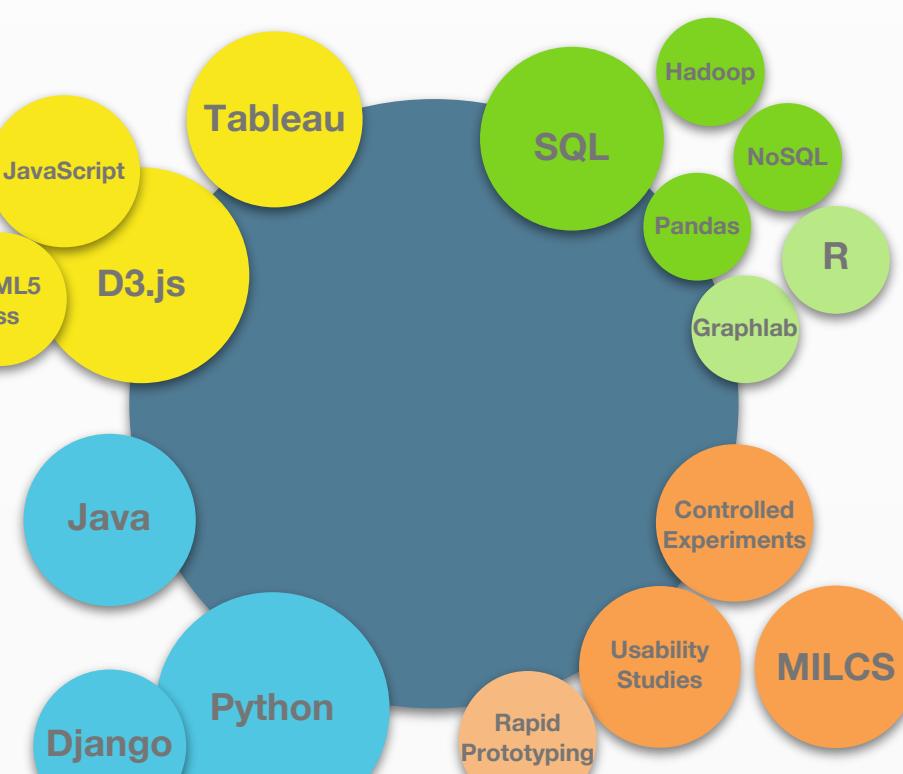


Traditional data science excludes users from the exploration process, applying algorithms that look like black boxes to them, and forcing users to make sense of the results afterwards.

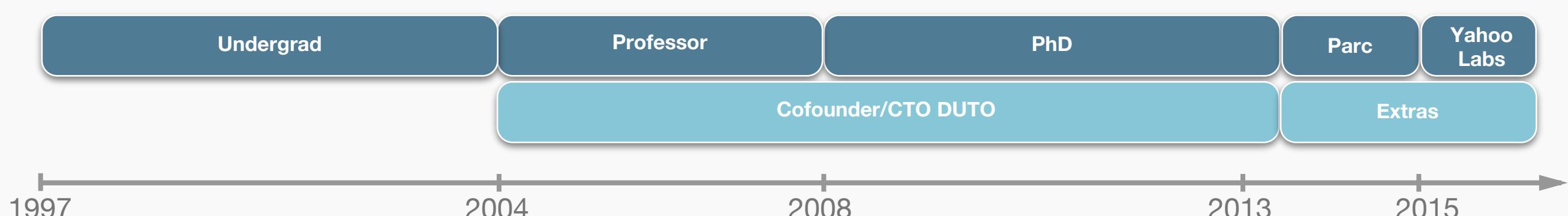
## My Skills



## What I use



## Experience and Education



## Highlights

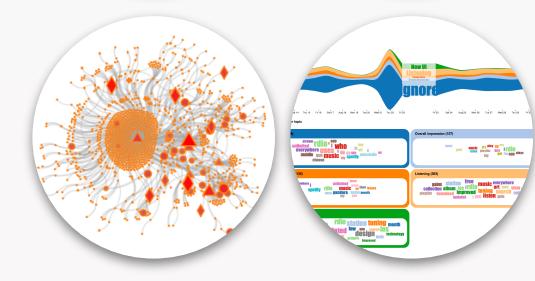
### Yahoo Labs

Created a visual network analytics tool to explore hundreds of thousands of nodes.  
Constructed several dashboards using Tableau.  
Developed and integrated several other time-based and text based visualizations in 3 different products.



### Parc

Co-creator of tweetometro.co a platform to monitor Twitter activity for the Colombian presidential election.  
Creator of WholikesMyFB.com a Facebook app to explore who likes your post the most.



### Extras

PhD and MSc in Computer Science under the supervision of Dr. Ben Shneiderman and Dr. Catherine Plaisant.

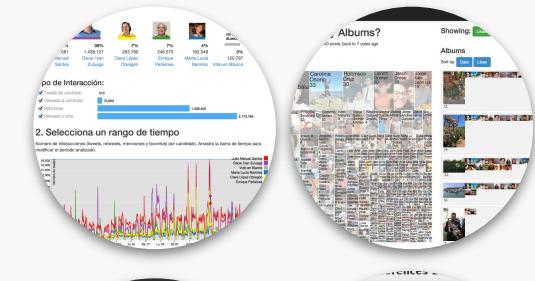
Created the **StemView** a visualization technique that represents 5 characteristics of change in trees.

Created the **Bullet** a visualization glyph that represents 4 characteristics of change in trees.

Implemented **TreeVesity2** a visual analytics web application to explore change in datasets over time.

Implemented **TreeVesity** a visual analytics desktop application to compare changes between two trees.

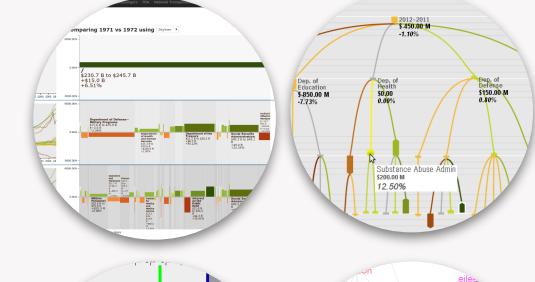
Conducted **13 case studies** with 9 domain experts to validate TreeVesity and TreeVesity2.



### Professor

Winner of the **Fulbright Science and Technology** scholarship (40 people awarded in the world yearly).

Lecturer in a wide range of undergrad courses from Programming to Distributed Systems.



### DUTO

Co-creator of **IRIS** a system that allows blind students to see with their hands.

CTO and responsible of all the software development in the company.

Winner of more than 10 international entrepreneurship awards.

