

# JOHANA LUNA

DATA SCIENCE - COMPUTER SCIENCE

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Data Scientist with a Computer Science background, experienced in SQL, Looker, Power BI, Tableau, Python, Machine Learning, Neural Networks, data visualization, predicting models, and Statistics. Advanced knowledge in data mining software and complex SQL queries to optimize operating processes

## PROFESSIONAL EXPERIENCE

**Shutterfly, LLC** | Charlotte, NC (Ecommerce)

[Website](#)

**Sr. Data Analyst**

Oct 2020 - Present

- Lead a Team of 3 data analysts and engineers that saved ~\$8M in costs by generating insights from key supply chain data, automating data mining and creating over 30 dashboards while saving 200+ monthly hours of manual reports
- Saved ~\$2.3M in refunds for late shipments and optimized ship methods by developing a random forest model to predicts the final state of a product (shipped on-time/ late)
- Decreased annual shipment contract cost with the logistic carriers by ~\$9M, with cross functional collaboration with the Finance and Supply Chain teams by creating new metrics to allocate the ship cost to an item level
- Developed executive dashboards to monitor Supply Chain KPIs in real time to make decisions over ~27M shipments/year using SQL, SnapLogic and Looker to connect databases and make daily reports

**Claro** | Bogotá, Colombia (Telecommunications Company)

[Website](#)

**Regulatory Auditor**

Nov 2014 - Jan 2016

- Led 4 people in charge of managing complex databases with more than 650 Million monthly records
- Reduced audit times by 47% through automating the process using SQL, data mining software, Excel and other tools

**Nueva EPS** | Bogotá, Colombia (Insurance Company)

[Website](#)

**Systems Auditor**

Jul 2013 - Nov 2014

- Automated information extraction processes of ~6 Million records with sensitive information using Pipelines, IDEA (Data mining Software) and SQL
- Led the audit of company systems to ensure compliance with government regulations

**PWC, Price Waterhouse Cooper** | Bogotá, Colombia

[Website](#)

**Systems Auditor**

Feb 2013 - Jul 2013

- Performed systems audits of major companies in telecommunications, oil, and banking

## PROJECTS

**Sudoku Solver**

[API](#) | [GitHub](#)

- Developed a Sudoku Solver that mimics human techniques and uses a logistic regression model to classify the puzzles' difficulty
- Created a dataset by scraping ~5500 Sudoku puzzles from multiple websites

**Subreddit Recommender**

[API](#) | [GitHub](#)

- Developed an API in Amazon Web Services (AWS) that helps users find the best place to post on Reddit; using natural language processing (NLP) with a KNN model, API analyzes submitted text and suggests the most optimal subreddit

**Airbnb Predictor**

[API](#) | [GitHub](#)

- Deployed a Heroku API that, using a linear regression model, predicted an optimal pricing strategy for an Airbnb in Berlin

## EDUCATION

**Data Science, Lambda School** - Remote

May 2019

- 9+ month accelerated program with a full-time curriculum in computer science and engineering

**BS, Computer Science | Systems Engineer Universidad Industrial de Santander** - Colombia

Dec 2012

- Undergraduate program in systems and computing engineering