

JS

# José San Martín

## Professional Summary

I am a student at Duke University planning on double majoring in Statistics and Computer Science. My skills are multifaceted and have been sharpened through challenging course loads and intense internships. I am a technology enthusiast, and I plan on using my skills in software engineering and data science to help underserved communities around the world.

## Work History

IBM - Back End Development Intern  
New York, NY  
06/2019 - 08/2019

- Worked primarily under Satyaajeet Raje on many aspects of the Cognitive Enterprise Data Platform (CEDP). These aspects included handling unstructured data and parallelizing machine learning models on Kubernetes
- Developed a back-end architecture to provide Machine Learning Models as a service to clients. The architecture made use of the Bazel, Docker, and Kubernetes software. The engineering was done primarily on a Linux Virtual Machine with the use of Vagrant
- Other tasks included maintenance of IBM's BIGSQL database via leveraging their catalog API and handling the unstructured data that is pipelined into IBM's Data Lakes

Duke University Computer Science - Data Science Intern  
Durham, NC  
05/2018 - 07/2018

- Research under Dr. Jeffrey Forbes and Dr. Kristen Stephens-Martinez, Where I prepared a new Data Science course at Duke based on UC Berkeley's DATA8. The new course acts as an introduction to the Discipline of Data Science.
- Worked on a Retention Study, which consisted of an in-depth analysis of past Duke graduates to create a model of predicting a student's chance of retention and success in Computer Science at Duke.
- Database design and population using SQLite3.

Duke University - Undergraduate Teaching Assistant

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## Skills

- Data Analysis Scripting Languages (R & Python)
- Object Oriented Programming (Java & Python)
- Back End Development (Docker & Kubernetes)
- Protocol (GRPC & Protobuf)
- Web Development (Express, Node.js, Javascript, HTML, CSS)
- Database (MySQL and SQLite3)
- Linux and Linux Virtual Machine
- Vagrant

## Education

Expected in 05/2020

Duke University  
Durham, NC

B.S.: Computer Science and Statistical Science

- Cumulative GPA: 3.6/4.0
- Relevant Courses: Statistical Computing, Computer Architecture, Data Structures & Algorithms, Elements of Machine Learning,

Durham, NC

*01/2017 - Current*

- Teaching Assistant for STA 210: Regression Analysis/ STA 101: Data Analysis and Statistical Inference/ STA 199 : Intro to Data Science / STA 611: Intro To Mathematical Statistics (Grad Version)
- Instruct a weekly lab section, where I assist students in learning statistical concepts, data analysis using the R software, and additional help on the course homework
- Hold dedicated office hours to assist students in coursework material and coding

SEO Career - Success Participant

New York, NY

*01/2019 - Current*

- Receive 50+ hours of individualized coaching and online instruction to achieve targeted professional developmental goals mainly around technical and soft skills training
- Mastery of fundamentals specific to Data Science in order to maximize the likelihood of a return offer at the end of the summer

Software Implementation & Design,  
Delivering Software, Mobile  
Application Development, Graduate  
Level Machine Learning, Operating  
Systems

- Member of Duke Undergraduate  
Machine Learning & Mi Gente
  - Recipient of the David M. Rubenstein  
Scholarship
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### ***Certifications***

- Web Development BootCamp - Udemy
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### ***Extracurriculars***

- Director of Operations & Website  
Manager - Duke Undergraduate  
Machine Learning
- Peer Preceptor - David M. Rubenstein  
Scholarship
- Linear Algebra Teacher Assistant -  
Duke Math Department