Nicolás Bejar

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EDUCATION

GPA 4.11/5

Universidad de Los Andes Jan 2018 - Jun 2022
B.E. Systems and Computing Engineering
Relevant Coursework: Data Structures, Object-Oriented Design, Algorithms, Computer Architecture.

Universidad de Los Andes Aug 2017 - Jan 2022
B.E. Industrial Engineering
Relevant Coursework: Advanced Excel, Finance, Probability & Statistics, Logistics & Production.

WORK EXPERIENCE

Universidad de Los Andes Bogotá, Colombia
Teaching Assistant of Object-Oriented Programming in Java Aug 2018 - Present
- Acted as assistant teacher of object-oriented programming course with a group of 30 students.
- Increased the mean historic grade result of the course by 10%.

Analytics Club Bogotá, Colombia
Board Member of Analytics Club Sep 2020 – Present
- Board Member of Analytics Club of Universidad de los Andes. Supported the creation of conference talks, workshops and projects focused on data analysis and machine learning.
- Promoted conference talks and increased participation from 25 to 100 active students in the club.

LQN startup Bogotá, Colombia
Joint Advisor in a real estate investment project. Sep – Dec 2020
- Developed a prototype of a credit scorecard model based on machine-learning tools that wanted to estimate home loans rejections probabilities based on customers characteristics on Python.
- Increased the company valuation and created a model with a prediction accuracy of 70%.

MAJOR PROJECTS

Stocks Portfolio Analysis Jan 2021 - Present
A portfolio calculator that estimates the average expected return of a group of stocks.
- Implemented Python script using Jupyter notebook to estimate portfolio average expected returns and volatility. Applied optimization algorithms to maximize portfolio expected return and implemented advanced econometric models to estimate stock prices.
- Increased portfolio expected return by 34%.

Airport Model Jan 2020
A simulation model of an airports traffic using 3D animated modeling software.
- Designed and developed airplanes and passengers traffic models using SIMIO simulation software.
- Tested 3 alternatives solutions to improve internal flow of pedestrians within the airport.
- Decreased the mean average time that pedestrians spent on the airport by 41%.

SKILLS

PROGRAMMING LANGUAGES
Java, R, Python, SQL, VBA, JavaScript, HTML, CSS

TECHNOLOGIES
Django, MySQL, ReactJS, Git, AWS, Jenkins, Postman, Unix/Bash, Angular, Docker, SIMIO, Teamwork, Excel, Xpress, JUnit, PostgreSQL.

AWARDS
Honorable Mention (2020)
Universidad de los Andes Innovation Competition
2nd Place Team (2017)
Universidad de los Andes Engineering Competition

ONLINE COURSES
- R Programming (The Johns Hopkins University, 2020)
- Game Theory Introduction (University of Tokyo, 2020)
- Introduction to Data Science (The Johns Hopkins University, 2020)
- Programming in Python (Universidad Católica de Chile, 2020)

LANGUAGES
Native: Spanish
Bilingual: English, Italian
Basic: Portuguese