

OSCAR JUAN CASAS

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Education

UC Berkeley - Remote

December 2022

- Master of Data Science and Information
- Deans Honor List & University Honors

University of Michigan - Ann Arbor, MI

April 2020

- B.S.E, Industrial and Operations Engineering, *Cum Laude*
- Deans Honor List & University Honors

Major GPA 3.621/4.0

Coursework: Data Processing, Optimization Methods, Markov Processes, Linear Statistical Models, Lean Manufacturing and Services, Statistical Quality Control, Product Inventory Control, Service Operations Management, Simulation

Work History

Data Analyst

Lockheed Martin – Dallas, TX

01/2021 to Present

- Use of stochastic and deterministic data models or related technical disciplines with an emphasis in modeling, data manipulation, and the application of statistical methods to apply to business and risk management problems.

Data Analyst

Exceptional Stays – Telluride, CO

5/2020 to 8/2020

- Analyzed through VBA queries and Python rental performance using Pandas, gg2plot, NumPy and Pytorch
- Created algorithm that takes live data from properties using Airbnb API and Pytorch and gives a property score
- Analyzed employee performance and discrepancies through Python and used Tableau for visual representation

University Sponsored Consultant, Intern

1/2020 to 05/2020

American Axle Manufacturing – Detroit, MI

- Analyzed 50+ process inefficiencies, directly leading to annual savings of +\$250,000
- Analyzed AAM's databases using SQL query to organize databases for further data analysis in Python and R
- Performed data analysis on databases using Excel, Python, and R to find errors in invoices with Dora and Pandas
- Reduced lead time for payments by 14 days by analyzing EDI invoice and audit process
- Developed the current and future state maps as well as value stream mapping for processes

Projects

Team Leader, Business Owner

02/2018 to 05/2020

CSP Electronics LLC – Ann Arbor, MI

- Led weekly meetings to motivate and coordinate work for the team while analyzing the processes for inefficiencies
- Trained them to repair the electronics and had to coordinate inflow of work and outflows of products produced
- Organized the purchase and the refurbish of approximately +1000 broken electronics yearly for the 6-man CSP team

Product Developer, Partner

03/2018 to 12/2019

LifeRadius – Ann Arbor, MI

- Organized and led a team of 5 to develop a nonprofit product designed to save sailors from falling overboard.
- Directed research and development efforts by team members to create a prototype.
- Worked with sailing communities and companies and gave them the rights to continue work on the product.

Skills

Computer: Python, SQL, R, Excel, Access, SAS, HANA, ProModel, VBA, AMPL, Tableau, Minitab, MATLAB, AWS

Computer Specific: Pandas, NumPy, Scipy, PyTorch, Requests, Re, API, JSON, SQLite, MySQL

Professional Skills: Data Analytics, Agile/Scrum, Operations Mgmt, Machine Learning, Kaizen, Kanban, Supply Chain

Personal Skills: Leadership, Communication, Public Speaking, Problem Solving, Management Skills, Teamwork

Certifications: Data Scientist with Python Data Camp Course, Lean Six Sigma Green Belt, Scrum Master Certification

Languages: English, Spanish, Catalan (fluent in all three)
