

### TECHNICAL SKILLS

**Languages:** Python, R, SQL

**Data Science & ML:** Scikit-Learn, TensorFlow, Keras, PyTorch, NLP (NLTK, Transformers)

**Data Management:** MySQL, PostgreSQL, ETL Processes

**Visualization:** Power BI, Plotly, Matplotlib, Seaborn

**Tools & Software:** Git, Jupyter Notebook, Docker, LaTeX

**Cloud Environments:** AWS, Azure, GCP, Heroku

**Web Scraping:** BeautifulSoup, Selenium, Requests

**Certifications:** Supervised Machine Learning (Stanford), Python for Everybody (University of Michigan)

### EXPERIENCE

#### Data Scientist

Sandcat IT, LLC (Freelance Project)

Remote, Latvia

September 2024 - Now

- Designed and deployed a predictive model pipeline using Python (Pandas, NumPy) and XGBoost to estimate used car market prices, achieving an MAE of 720 and  $R^2$  of 0.96.
- Automated data preprocessing and feature engineering, incorporating advanced techniques like target encoding, mileage-interaction features, and missing data imputation.
- Developing a production-ready deployment pipeline to enable real-time pricing predictions and assist buyers in finding the best deals.
- Conducted model validation and hyperparameter tuning to optimize performance and generalizability across diverse datasets.

#### IT Project Coordinator

Advanced Voice Research Labs, Inc.

Remote, U.S.

August 2021 - September 2023

- Led deployments of automation software and custom-built databases on AWS, Azure, and Google Cloud, streamlining client operations.
- Diagnosed software issues and provided data management strategies, enhancing system efficiency by 15%.
- Directed a team of five, increasing project completion rate by 20% and reducing turnaround time by 30% through process improvements.
- Collaborated cross-functionally with engineers to develop scalable solutions for client-facing systems.

#### Digital Intern

You Squared Media, Inc.

Remote, U.S.

May 2021 - August 2021

- Executed SEO strategies and optimized HTML code in WordPress, propelling client websites from the 10th to the 1st page on Google search results.
- Analyzed website traffic with Google Analytics and generated actionable insights, driving decision-making for marketing campaigns.

### EDUCATION

#### Master of Science in Data Science

Barcelona School of Economics — July 2024

- Attended a Top 3 Economics research department in Europe.
- Relevant coursework: Machine Learning, Advanced NLP, Deep Learning.
- Degree awarded by Universitat Pompeu Fabra and Universitat Autònoma de Barcelona

#### Bachelor of Business Administration in Marketing

University of Texas at San Antonio — May 2021

- Graduated with Honors (GPA: 3.76/4.0).
- Relevant coursework: Consumer Behavior, Market Research, Digital Marketing Analytics.

### ADDITIONAL PROJECTS

- Thesis: Causal Effect of Peace Agreements on Violence** — Adapted Double Machine Learning (DML) for panel data to estimate causal effects. Results validated through placebo tests and time-lagged effects. Published findings in a [Medium article](#).
- Freelance Contributor & Blogger:** Published articles with AI Advances and authored research-backed content on Medium, simplifying complex data science topics and showcasing practical machine learning insights to a growing readership.
- Portfolio Projects:** Explore additional data science projects, including Computer Vision, NLP & Finance solutions, at [datawithamber.com](#).