



SUMMARY

Data analyst with hands-on Python, SQL, and machine learning experience on real-world prediction problems. Recently completed a Data Analytics Practicum (Python, SQL, Tableau) alongside a master's in Digital Marketing. Co-author of peer-reviewed research (Building and Environment, 2025); built data pipelines and trained ANN, XGBoost, and Pix2Pix models on a custom dataset. Comfortable owning end-to-end work (cleaning, modeling, dashboards) and translating findings into clear recommendations for non-technical stakeholders.

CORE SKILLS

Programming: Python (pandas, NumPy, scikit-learn, TensorFlow, XGBoost), SQL, JavaScript, HTML/CSS, React
Analytics & ML: Hypothesis-driven testing, regression modeling, neural networks (ANN, cGAN/Pix2Pix), A/B testing, KPI tracking, Google Analytics 4

Visualization & Reporting: Tableau, Excel (Intermediate), PowerPoint, dashboard development, data storytelling

Other Tools: Jupyter, Adobe Creative Suite (Photoshop, InDesign, Illustrator), Rhino/Grasshopper

Languages: English (Fluent), Turkish (Native), German (Intermediate)

SELECTED PROJECTS

Pix2Daylight: ML Predictor for Real-Time Performance Compliance

Published, 2025

Co-authored peer-reviewed paper, Building and Environment, Vol. 274 (Elsevier, Q1 journal)

- Built end-to-end Python pipeline to generate, encode, and analyze a large surrogate dataset; trained and tuned **Artificial Neural Network** and **XGBoost** regression models (TensorFlow, scikit-learn, XGBoost), benchmarked using MSE, and deployed a proof-of-concept returning real-time predictions to end users
- Trained an **image-based Pix2Pix (cGAN) model** at 128×128 resolution on the same dataset; analyzed quantitative and qualitative trade-offs across modelling approaches

EXPERIENCE

Data Analytics Practicum

2026

Mayerfeld Consulting, Remote

- Apply Python (pandas), SQL, and Tableau end-to-end on industry-style business case studies: frame the question, clean and join real-world datasets, run exploratory analysis, build dashboards, and translate findings into stakeholder-ready recommendations

Faculty Assistant

2025 - 2026

Institute for Advanced Architecture of Catalonia (IAAC), Barcelona

- Evaluate digital content and podcast performance: assess messaging clarity, audience engagement, and effectiveness metrics; produce reporting, documentation, and presentation materials across cross-functional academic and external teams

Communication Design Intern

2020

United Nations Development Programme (UNDP), Ankara

- Built data-driven visual content and integrated data visualization into advocacy campaign assets; delivered cross-platform deliverables in deadline-driven international workflows with internal teams and external stakeholders

BIM Architect / Architect

2021 - 2023

Prota Engineering & SFMM Architects, Ankara

- Worked in interdisciplinary, data-driven teams; ensured data accuracy and consistency across complex digital models with thousands of structured parameters; coordinated with international stakeholders in deadline-driven environments

EDUCATION

Master in Digital Marketing

2025 - 2026

ESEI International Business School, Barcelona - Performance marketing, growth strategy, CRM, digital analytics

M.Sc. Advanced Computation for Architecture and Design

2023 - 2024

Institute for Advanced Architecture of Catalonia (IAAC), Barcelona - ML modeling, data pipelines, dashboards

B.Arch (High Honor Roll)

2015 - 2020

Middle East Technical University, Ankara