

■ Roadmap to UAP/ML Work

Short-Term (0–12 months) – Build Skills + Explore Communities

Goal: Go from “I know what ML is” → “I can build basic anomaly detection tools and join UFO research communities.”

1. Core ML Foundations: Focus on Python, NumPy, Pandas, scikit-learn first. Then move into PyTorch or TensorFlow. Pick 1–2 Coursera specializations you'll finish (e.g., Andrew Ng's ML Specialization or Computer Vision with PyTorch).
2. Specialized Side Projects: Start a project: “Sky Anomaly Detector” – use open datasets of planes, birds, satellites → build a classifier to filter them out. Tools: OpenCV, YOLOv8, Isolation Forest.
3. Get Involved with Civilian UAP Research: Look into SCU (Scientific Coalition for UAP Studies) and UAPx. Join UAP data communities on Reddit/Discord. Try Zooniverse anomaly projects.
4. Technical Tools to Learn: Learn basics of cloud platforms (AWS/GCP) or start with Google Colab (free GPUs).

Medium-Term (1–3 years) – Career-Ready + First Real Contributions

Goal: Have a portfolio + contacts in aerospace/UAP groups → move into actual anomaly detection roles.

1. Portfolio Projects: Satellite Image Anomaly Detection (Sentinel-2 / Landsat), Radar/ADS-B Analysis (flight data), SETI Signal Classification (Kaggle pulsar datasets).
2. Networking & Opportunities: Attend ESA hackathons, Madrid aerospace/AI labs, connect with SCU/UAPx researchers.
3. Professional Development: Strengthen ML + CV + signal processing. Write GitHub repos/blog posts about anomaly projects.

Long-Term (3–5+ years) – Full-Time Career in UAP/Anomaly Analysis

Goal: Land a job/project directly analyzing anomalous aerial or space phenomena.

1. Career Paths: Civilian/Private (SCU, UAPx), Scientific (ESA/NASA labs, SETI), Aerospace/Defense (Airbus, Thales, GMV).
2. Build Your Niche Brand: Be the 'ML guy for anomaly detection in aerial/space data.' Publish projects, maybe an open-source UFO toolkit.
3. Stretch Goal: Apply to ESA Young Graduate Trainee Program, or pursue a Master's in Data Science/Aerospace AI after CS degree.