

Antonis Stellas

ML Engineer

+30 6984795773 | a.x.stellas@gmail.com | www.linkedin.com/in/antonisstellas | <https://github.com/AntonisCSt>

ABOUT ME

Since 2019, I help clients with their data problems varying in data science and ML and I have overseen building data products for big companies and start-ups. I bring industry experience in data product development, problem-solving with an entrepreneurial spirit. I also currently contribute to opensource in 🤖 **HuggingFace** (contributing to vision community course) and **EvidentlyAI** by testing new tools and providing feedback.

EDUCATION

ENGINEERING DOCTORATE IN DATA SCIENCE

Technical University of Eindhoven, Netherlands

JAN 2019 - FEB 2021

MASTER'S DEGREE IN NANOTECHNOLOGY

Technical University of Athens, Greece

NOV 2016 - NOV 2018

GPA 9.2/10

BACHELOR AND MASTER'S JOINED DEGREE | SCHOOL OF APPLIED AND MATHEMATICAL PHYSICAL SCIENCES

Technical University of Athens, Greece

OCT 2011 - OCT 2016

GPA 8.1/10

WORK EXPERIENCE

DATA SCIENTIST | NANOMETRISIS P.C.

ATHENS, GREECE | MAR 2021- PRESENT

- Developing machine learning based web-app and methodology for healthcare start-up that is disrupting bacteria detection by speeding up the detection from days to hours: [link](#)
- Help building and developing products of Nanometrisis. **Impact:** Products successfully sold and licensed to big players in field such as ASML, Imec and Moxtek.
- Led participation in European Chips Act (IPCEI program) achieving participation in funded project with [big players](#) in the Netherlands such as Nearfield Instruments evaluated with multiple millions euros.

ML ENG FREELANCER | UPWORK.COM

ATHENS, GREECE | MAY 2022- PRESENT

Check my profile and my reviews: [Antonis Stellas Upwork Profile](#)

- **bitesla.net, Florida, U.S.** (Currently working)
Hugging Face ML Engineer: Utilize vision models and create workflows for bitesla marketplace.
- **Private contract, Athens, Greece:**
ML Vision Engineer project: Satellite image segmentation for economic activity estimation
- **OM1, Boston, U.S.**
Extracted critical information from big database of clinical notes.
- **MediaRisk, Athens, Greece**
Developed analysis tool for comparing tv client with competitors.

DATA SCIENTIST | OMRON

'S-HERTOGENBOSCH, NETHERLANDS | NOV 2019-FEB 2021

During the PDeng studies worked at the R&D Department implementing the following projects:

- Designed and implemented machine learning back-end system for [self-learning assembly line](#). **Impact:** The system is available on the brain port industry campus and the produced technology.
- Investigated bottlenecks in production lines and investigated boundary-setting methods through Statistical Process Control. **Impact:** Found line bottlenecks that relate to the 80% of fails and line production delays.

DATA SCIENCE TRAINEE | JADS

'S-HERTOGENBOSCH, NETHERLANDS| JAN 2019- OCT 2019

Worked with different teams for projects with the following companies:

- **ASML:** Analytical methodologies and CNN model development for blob size estimation.
- **TE Connectivity:** Clustering customers in to enhance business decision making.
- **Feed Calculator:** Improve app by using optimization techniques.
- **OMRON:** Time-series analysis for fault detection in assembly line.

QUALIFICATIONS

Skills: Data Mining, Machine Learning, Vision, Visualization, Deploying Machine Learning, CI/CD, Cloud (AWS,Azure and GCP), MLOps, SQL

Tools: Python (6 active years), Docker, PySpark, Prefect, DBT, MongoDB, PostgreSQL, MQTT Broker, Git GitHub Actions, Snowflake, MLflow

Libraries: Tensorflow, Pytorch, OpenCV, numpy, pandas, sklearn, seaborn, Dash, Evidently AI

Languages: **English** (IELTS score 7.0, June 2018), **Dutch** (A2 level diploma, November 2019)

DATA PORTFOLIO

PAPERS AND BLOGS:

MEDIUM-LEVEL UP CODING: Modular Coding in Python: Finally Solve your Import Errors	February 2024
MEDIUM-TOWARDS AI: How can lean methodology add value to your ML deployments.	February 2022
11th Hellenic Conference of AI: Hybridizing AI and domain knowledge in nanotechnology	September 2020

PATENTS:

[ASSEMBLY ASSISTANCE DEVICE AND METHOD](#): A patent that assists the operator in Omron's product assembly process using AI.

INVITED TALKS:

DataTalksClub podcast: [youtube link](#)

Scify academy, Artificial Intelligence applications on High Tech: [youtube link](#) (Eng Subs)

NanoAI,Artificial Intelligence in Natural Sciences: [website link](#)

Smart Materials: Applications for Greek Industry (Nanometrisis): [youtube link](#)

Podcast Freelancing in ML and DataScience: [StreamCloud link](#) (Greek)

The future of AI in Greece (panel): [website link](#) (Greek)

DATA COMMUNITY AND OPEN-SOURCE:

(Currently) Contributing to Vision community course in 🤖 **Hugging Face**.

Contributor and Community Hero in **Evidently AI**.

Member of **DataTalks.Club** and host of the event: **project-of-the-week**.