

Hiring software engineer as easy as calling a taxi.

# Vladyslav

## Data Science Engineer

### SUMMARY

- Data Scientist with 4+ years of experience specializing in delivering insights and solutions using analytics, machine learning, and data science across diverse industries.
- Profound technical expertise with Python, utilizing libraries such as pandas, numpy, TensorFlow, and Keras, and deploying solutions with tools like Docker and FastAPI.
- Successfully led data science projects focusing on market analytics, computer vision, and content moderation, demonstrating a strong background in ETL pipelines, predictive modeling, and deploying RESTful services.
- Holds a Master's in Computer Science, augmented with certifications from Google Cloud and DataCamp, and is proficient in implementing ML methodologies, including NLP, CV, and time series analysis.
- Experienced in RDBMS such as MySQL and PostgreSQL, cloud platforms like AWS and GCP, and has practical knowledge of software development life cycles and agile methodologies.
- Fluent in English and Ukrainian, embodying strong multidisciplinary team leadership, evident in the management of complex projects and innovative solution development.

### SKILLS

<b>Main Technical Skills</b>	Data Analysis (4 yr.), AWS ML (Amazon Machine learning services) (4 yr.), Neural Networks, Data Mining, Business Analysis
<b>AI &amp; Machine Learning</b>	AWS ML (Amazon Machine learning services) (4 yr.), Huggingface, Keras, Neural Networks, NumPy, OpenCV, PyTorch, Scikit-learn, TensorFlow, Xgboost
<b>Programming Languages</b>	Python
<b>Python Frameworks</b>	FastAPI, Flask
<b>Python Libraries and Tools</b>	Keras, NLTK, NumPy, Pandas, Plotly, PyTorch, Scikit-learn, SciPy, TensorFlow
<b>Data Analysis and Visualization Technologies</b>	Business Analysis, Data Analysis (4 yr.), Data Mining, Data visualization
<b>Amazon Web Services</b>	AWS ML (Amazon Machine learning services) (4 yr.)

<b>Virtualization, Containers and Orchestration</b>	Docker
<b>SDK / API and Integrations</b>	FastAPI
<b>Version Control</b>	Git
<b>UI/UX/Wireframing</b>	Microsoft Visio
<b>Message/Queue/Task Brokers</b>	RabbitMQ
<b>Other Technical Skills</b>	AI, Computer Vision, Computer Vision (CV), Custom API, Deep Learning (DL), DVC, NLP, tf-serving, Time Series, YOLO

## WORK EXPERIENCE

### Data Scientist, Market analytics

**Duration:** June 2019 - present

**Summary:**

- Researched and implemented log-normal regression for sales analysis
- Researched impact of users behaviour on the product sales using RandomForestRegressor and XGBoost Regressor

**Responsibilities:** Data analysis, model implementation and testing.

**Technologies:** Python, Pandas, sklearn, XGBoost, Plotly

### Data Scientist, Jewelry classification project

**Duration:** June 2019 - present

**Summary:**

- Performed discovery phase and developed roadmap planning
- Led the AI team to build data preparation, classification model training and testing pipelines
- Experimented with several computer vision frameworks and architectures
- Deployed the solution consisted of several classifiers to a REST API web-server

**Responsibilities:** Team leadership, data pipeline construction, model training and deployment.

**Technologies:** Python, AWS, Ultralytics YOLO, PyTorch Vision, HuggingFace ViT, FastAPI, PostgreSQL, pandas, OpenCV

### Data Scientist, Video Content Moderation system

**Duration:** June 2019 - present

**Summary:**

- Researched content moderation services and video classification models



- Deployed a solution that uses AWS Rekognition services with custom processing and job management as API

**Responsibilities:** Research and solution deployment.

**Technologies:** Python, AWS, Rekognition, FastAPI, Redis

### **Data Scientist, Object detection in sports games stream**

**Duration:** June 2019 - present

**Summary:**

- Developed an object detection model of football elements
- Researched and implemented custom algorithms for object tracking in stream
- Developed a model training pipeline including data augmentation techniques
- Deployed solution to serving service using RESTful architecture

**Responsibilities:** Model development, algorithm implementation and solution deployment.

**Technologies:** Python, OpenCV, YOLO, FastAPI

### **Data Scientist, E-commerce Monitoring & Intelligence Platform**

**Duration:** June 2019 - present

**Summary:**

- Collected data provided by customers
- Cleaned and prepared the data for further use
- Aggregated and estimated the sales data
- Developed the visualization on the basis of which the client received the data they needed

**Responsibilities:** Data collection, cleaning, aggregation and visualization.

**Technologies:** Python, Pandas, Plotly, Numpy, XGBoost, MySQL, ClickHouse

### **Data Scientist, Regulation-checking system in construction**

**Duration:** June 2019 - present

**Summary:**

- Researched and implemented image processing pipeline using OpenCV (thresholding, histogram equalization, etc).
- Researched and implemented object detection of construction elements
- Researched semantic segmentation of construction environment
- Researched pose estimation of construction environment
- Deployed solution that detects noncompliance of partial OSHA regulation to web-server

**Technologies:** Python, OpenCV, YOLOv5, U-NET, FastAPI, MediaPipe

### **Data Scientist, Data analysis from VR sensors**

**Duration:** June 2019 - present

**Summary:**

- Researched and implemented statistical analysis of sensor data



- Performed architecture migration from monolithic-data processing to chunk processing from queue

**Responsibilities:** Statistical analysis and architecture migration.

**Technologies:** Python, Numpy, Plotly, signal filtering and processing algorithms, RabbitMQ

### **Data Scientist, Geo Railroad Analytical System**

**Duration:** June 2019 - present

**Summary:**

- Implemented railroad data analysis and an ETL pipeline for data transformation
- Developed a railroad network graph system for best track path detection and incomplete tracks recreation

**Technologies:** Python, Pandas, Numpy, networkx

### **Data Scientist, Dance club project**

**Duration:** June 2019 - present

**Summary:**

- Developed web-server with admin panel
- Implemented analytical dashboards and report generation
- Developed mobile application for instructors use

**Technologies:** Python, Flask, Pandas, Plotly, Kotlin, OkHTTP, navigation architecture

### **Data Scientist, Users behaviour analysis**

**Duration:** June 2019 - present

**Summary:**

- Developed and implemented users classification and prediction VIP system based on their behaviour using XGBoost Classifier
- Deployed solution as an API

**Technologies:** Python, XGBoost, Flask, PostgreSQL, alembic, Pandas

## **EDUCATION**

- **Master of Computer Science**

Ternopil State Ivan Puluj Technical University, Ternopil, Ukraine  
2021 - 2023

- **Exchange Student, Bachelor of Computer Science**

Hochschule Schmalkalden, Schmalkalden, Thüringen, Germany  
2020 - 2021

- **Bachelor of Computer Science**

Ternopil State Ivan Puluj Technical University, Ternopil, Ukraine  
2019 - 2021



- **Junior Specialist of Computer Engineering**

Technical college of Ternopil State Ivan Puluj Technical University, Ternopil, Ukraine  
2015 - 2019

## **CERTIFICATION**

- **Google Cloud Skill Boost**

Google Credential URL

- **Data Science Camp Smart Insight**

Amazinum Credential URL

- **Python Programmer Track**

DataCamp Credential URL

