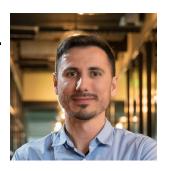
IVAN DANIELOV IVANOV

Lead Data Scientist



& Portfolio



SUMMARY

Technology leader with over 7 years of professional experience in Machine Learning and BigData Analysis. Successful delivery of production grade ML solutions in Retail, Manufacturing, and Education.

SKILLS

- Machine Learning | Deep Learning | NLP | LLMs | Big Data Pipelines | Recommendation | Customer Analytics
- Python | SQL | PyTorch | GCP (certified in 2020) | Azure ML | BigQuery | Dataflow | Tableau | CI/CD | Scrum
- Tech Leadership | Intercultural Communication | Public Speaking | English (Professional) | German (Basic)

EXPERIENCE

Stork (Bulgarian LLM Project)

📍 Sofia, Bulgaria

Volunteer Machine Learning Engineer

Jul 2023 - Present

- Building the first Bulgarian foundational LLM alongside a team of 10 leading Bulgarian ML experts
- Developing a scalable pipeline for processing 100s of GB raw text data using Google Cloud Dataflow

Humans in the Loop

📍 Sofia, Bulgaria

Chief Technology Officer

Nov 2022 - Jun 2023

- Defined the **technology strategy** to transition from service company to product company in the MLOps domain
- Defined the roadmap and developed **MVP of the first <u>product</u>** platform for live human oversight of AI systems
- Built and productionalized the platform using: Python (Flask), PostgreSQL, GCP, Docker, Terraform, Label Studio
- Onboarded and supported the first paying customer of the product which provided work to 4 refugees in Sofia

SoftServe

📍 Sofia, Bulgaria

Lead Data Scientist

Feb 2021 - Nov 2022

Data Scientist

Jan 2019 - Jan 2021

- Led a team of 5 Data Scientists to build an ML platform (NLP, Graphs, Recommendation) used by 40K students
- Built a predictive maintenance system that reduced unscheduled downtime for 2 semiconductor companies
- Developed customizable ML tools within a prescriptive analytics platform for large scale US retailers
- Led the **productionalization** of ML pipelines on cloud using: Azure ML, GCP (Dataflow, Composer, Run, Al Platform)
- Data science consultant for multiple projects (happy client's testimonial)

Progress Software (Telerik)

📍 Sofia, Bulgaria

Data Scientist Feb 2018 - Dec 2018

Data Scientist, Associate Feb 2017 - Jan 2018

BI Performance Analytics Intern

Nov 2016 - Feb 2017

- Developed Machine Learning solutions for predicting **lead purchase** and customer churn propensity that:
 - o Helped the sales team to process 1000s of leads per day and identify potential upsell opportunities
 - o Helped the customer success team to identify and prevent valuable customers from churning

Recogizer Group

📍 Bonn, Germany

Data Science Intern Aug 2016 - Oct 2016

Developed a module for online adaptive training of deep neural networks using Kafka and Cassandra

University of Bonn

PBonn, Germany

Student Assistant Oct 2015 - Sep 2016

Student Research Assistant

Oct 2014 - Jun 2015

- Assisted the research activities in a robotics lab working on mobile manipulation robots using C++ and ROS
- Participated in the <u>DARPA Robotics Challenge 2015</u> in Los Angeles, California our team won the 4th place
- Tutored exercise classes for 100 students of 2 master lectures: "Data Mining", "Learning from Non-Standard Data"

MicroAccount (Acq. by Yara)

📍 Varna, Bulgaria

Software Developer

Jul 2012 - Aug 2013

• Web and mobile development of application used by dozens of large scale farmers for tracking their equipment

EDUCATION

University of Bonn

📍 Bonn, Germany

M.Sc. in Computer Science

Oct 2013 - Oct 2016

• Specialization on Intelligent Systems | GPA: 1.6 (best 1, worst 5) | Master Thesis: Feature extraction from **Graphs**

Technical University of Varna

📍 Varna, Bulgaria

B.Eng. in Computer Systems and Technologies

Sep 2009 - Jul 2013

• GPA: 5.85 (best 6, worst 2) | Bachelor Thesis: Melody modeling using Neural Networks

CERTIFICATES

• Google Cloud Certified - <u>Professional Data Engineer (2020 - 2022)</u>

PUBLICATIONS

• (Nov 2016) NimbRo Rescue: Solving Disaster-Response Tasks through Mobile Manipulation Robot Momaro

SIDE ACTIVITIES

Data for Good - Bulgaria	Labsi	ABLE Activator 2022	ABLE Mentor
Co-founder and Data Science volunteer of the NGO that provides data work for the Bulgarian civil sector	<u>Startup</u> developing a mobile app for intelligent heath tracking	Graduated the 6 week high-intensity entrepreneurship <u>program</u> as part of the winning team (Labsi)	Mentored 2 high school students in career orientation