

# Ivan Danielov Ivanov

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[LinkedIn](#)

[Portfolio](#)

## Skills

- Machine Learning | Deep Learning | Big Data Pipelines | NLP | Graphs | Recommendation | Customer Analytics
- Python | SQL | Google Cloud Platform ([certified in 2020](#)) | Azure ML | BigQuery | Dataflow | Tableau | GitHub | CI/CD | Scrum
- Tech Leadership | Intercultural Communication | [Public Speaking](#) | English (Professional) | German (Basic)

## Professional Experience

### Humans in the Loop


**Chief Technology Officer** Nov 2022 - Jun 2023

 **Sofia, Bulgaria**

- Defined the technology strategy to transition from service company to product company in the MLOps domain
- Defined the roadmap and developed the MVP of the first [product](#) - a platform for live human oversight of AI systems
- Developed and productionalized the API 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


**Lead Data Scientist** Feb 2021 - Nov 2022  
**Data Scientist** Jan 2019 - Jan 2021

 **Sofia, Bulgaria**

- Led a diverse team of 5 Data Scientists to build an [ML platform](#) (NLP, Graphs, Recommendation) used daily by 40K students
- Built a [predictive maintenance system](#) that reduced unscheduled downtime for 2 large scale 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, Google Cloud (Dataflow, Composer, Run, AI Platform)
- Data science consultant for multiple projects ([happy client's testimonial](#))

### Progress Software (Telerik)

**Data Scientist** Feb 2016 - Dec 2018  
**Data Scientist, Associate** Feb 2017 - Jan 2018  
**BI Performance Analytics Intern** Nov 2016 - Feb 2017

 **Sofia, Bulgaria**

- Developed end-to-end Machine Learning pipelines for predicting [lead purchase](#) and customer churn propensity that:
  - Helped the sales team to process 1000s of leads per day and identify potential upsell opportunities
  - Helped the customer success team to identify and prevent valuable customers from churning

### Recognizer Group

**Data Science Intern** Aug 2016 - Oct 2016

 **Bonn, Germany**

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

### University of Bonn


**Student Assistant** Oct 2015 - Sep 2016  
**Student Research Assistant** Oct 2014 - Jun 2015

 **Bonn, Germany**

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

### MicroAccount (Acq. by Yara)

**Software Developer** Jul 2012 - Aug 2013

 **Varna, Bulgaria**

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

## Education

### University of Bonn

**Master of Science** Oct 2013 - Oct 2016

 **Bonn, Germany**

- Computer Science with focus on Intelligent Systems | GPA: 1.6 (best 1, worst 5) | Master Thesis: ML in Graphs

### TU Varna

**Bachelor of Engineering** Sep 2009 - Jul 2013

 **Varna, Bulgaria**

- Computer Systems and Technologies | GPA: 5.85 (best 6, worst 2) | Bachelor Thesis: Melody modeling using Neural Networks

## Side and Volunteering Activities

### **Data for Good - Bulgaria**

### **Labsi**

### **Stork LLM**

### **ABLE Mentor**

Co-founder and Data Science volunteer of the [NGO](#)

[Startup](#) developing a mobile app for health tracking

Fine-tuning LLaMA 2 for Bulgarian with LoRA

Mentored 2 high school students in career orientation