Andrew Kurochkin

Data scientist & Data engineer

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Lviv, Ukraine

KEY SKILLS

Research
Programming
Data analytics
Database design
Data visualization
Problem solving
Communication
Presentation
Data Quality
Agile

TECHNICAL SKILLS

Python & R & PHP
JS, AngularJS, CSS
UNIX / Linux
BI (Looker)
S3, AWS
SQL
GIT

Education

Master's degree, Data science — 2018 - pres
Ukrainian Catholic University

Bachelor's degree, Software engineer — 2011 - 2017
National University "Lviv Polytechnics"

Experience

Data scientist, R&D, Palo Alto Insight — 2018

- Research into generative adversarial networks
- Worked out a solution to anime faces recognition
- Created an automated pipeline for anime faces recognition, capturing, preparing and collecting
- Developed NN that generates new anime faces.

Data engineer, Lohika — 2017 - pres

- Built BI infrastructure for a big media company
- Implemented BI semantic layer
- Integrated data warehouse architecture with big data technology
- Developed high performance data processing procedures
- Reviewed, analyzed, and ensured the quality of data loaded into the database systems from hundreds of sources.

Principal developer, Headliner — 2015 - 2017

- Cooperated with client's company executives to set up priorities and establish requirements
- Collected and analyzed pre-compiled data to generate reports
- Designed and implemented highly efficient data collection procedures to boost overall performance.

Full-stack web developer, Freelance — 2011 - 2015

- Managed business, created proposals and project requirements
- Designed, developed and implemented various functionalities to many projects
- Cooperated efficiently with other freelancers.

Find more works on my site

Clients & Projects

Anime face generation by GAN, Silicon Valley
It was an R&D project for San Francisco company. Firstly, I created a solution for collecting anime faces dataset from videos. On top of that, I built a pipeline to automate processes for collecting and preparing data. When the first dataset was ready, I created generative adversarial networks (GAN) to generate new faces for cartoon and anime characters.
Environment: python, tensorflow, AWS, S3.

Digital Media Agency, Worldwide
The agency manages over $600MM in media and deploys campaigns across world markets. Our solution delivers tons of data from advertising platforms to customers. As a part of the team, I participated in: building of BI infrastructure for the company, data quality management (DQM), creating reports and dashboards for the system and business processes monitoring, integration of different data warehouses in one architectural solution.
Environment: hive, presto, Looker, PostgreSQL, SQL.

Panacea. CRM for Ambulance
Software for Lviv Central Ambulance Station. It allows to gather statistic, search for lost people, generate reports and create dashboards for the Ministry of Health of Ukraine. The solution has been in effect at city Ambulance Station since 2015. It was my own product.
Environment: PostgreSQL, Ubuntu, PHP, JS, AngularJS.

Recommendation system for recruiters
This is software that estimates how new candidates fit unfilled positions. Its algorithms based on machine learning. Also, it can be used as a tool for sourcing.
Environment: python, pandas, scikit-learn, seaborn, casperJS, phantomJS, PostgreSQL, PHP, JS, AngularJS.

Optimizing ambulance service with AI instruments
Research based on a dataset of 2 years of ambulance calls. I investigated it and created a model for prediction of emergency call result from primary data. It was a capstone project on Data science summer school.
Environment: R, python, ggplot2, pandas, scikit-learn, numpy.