

ALEKSANDR MIRLENKO

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PROFESSIONAL SUMMARY

Automation Engineer with Data Analytics and Machine Learning skills

DATA ANALYSIS AND MACHINE LEARNING TRAINING

Link to projects and certificates: github.com/Mirlenko

Apr. 2020 – present (Online Courses)

- Machine Learning and Data Analysis Specialization (6 courses by Moscow Institute of Physics and Technology & Yandex);
- Machine Learning (Stanford University);
- Deep Learning (Moscow Institute of Physics and Technology);
- SQL for Data Science (University of California).

EMPLOYMENT HISTORY

Automation Project Engineer, ABB

Jan. 2019 – Present (Kaliningrad, Russia & Ostrava, Czech Republic)

For Marine & Ports:

- developed and tested ABB 800xA control software using functional design specifications and P&ID (Global 1 Cruise Vessel);
- developed library solutions for control software (Vessel Shore Connection R&D);
- designed and configured HMI graphics, wrote function description.

For Process Industries:

- developed and configured software and HMI for Data Center (Modiin, Israel);
- upgraded the Pulp & Paper plant HMI graphics (the SAICA project, Spain).

Automation Project Engineer, System-Service

Oct. 2017 – Dec. 2018 (Saint Petersburg, Russia)

- Developed, analyzed and reviewed PLC (Siemens SIMATIC) and SCADA programs (WinCC, TIA Portal) for Gas Turbines (Compressing Units for Onshore Pipelines);
- conduct Startup and Commissioning at the Boosting Compressor Station (Zapolyarnaya gas condensate field beyond the Arctic Circle).

Master's Thesis Position, School of Energy Systems, LUT

Jan. 2017 – Aug. 2017 (Lappeenranta, Finland)

- Research and development of Electrically Excited Synchronous Motor control system in Matlab Simulink;
- the project results are presented in the Master's Thesis 'Control of EESM in the field weakening range'.

EDUCATION

Lappeenranta University of Technology (LUT), Finland
Saint Petersburg Electrotechnical University 'LETI', Russia

Master of Science, Electrical Engineering, Aug. 2017

Due to Double Degree program, I hold master's degrees from both Universities.

Saint Petersburg Electrotechnical University 'LETI', Russia

Bachelor of Science, Electrical Engineering, Jul. 2015

SKILLS & LANGUAGES

PLC programming	Data Analytics	Python	Russian – Native
Siemens SIMATIC	Machine Learning	pandas & numpy	English – Proficient
ABB 800xA	Deep Learning	scipy & statsmodels	Finnish – Basic
HMI & SCADA		matplotlib & seaborn	
Commissioning		scikit-learn	
		tensorflow & keras	
		SQL	
		Embedded C	
		Matlab	