Matvei Romanovich Belinskiy
Design engineer
Power engineering field
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Education

2013-2017 - National research university "MPEI"
Bachelor degree.
Diploma Thesis - "Review of the methods of petroleum wastewater sludge cleaning".
2017-2019 - National research university "MPEI"
Master's degree.
Master thesis - "The applicability of specific electrical conductance models for EDTA thermolysis control during chemical cleanings of boilers."

Job experience

May 2017 - August 2019 - NRU "MPEI". Laboratory assistant of the Department of Theoretical Bases of Heat Engineering;

Preparation of laboratory equipment, chemicals and other prerequisites for laboratory exercises and lessons;
Assistance in test stands renovation for applied research work;
~~Transportaion of various equipment during fire safety inspections.~~

March 2019 - May 2021 - OJSC "VTI". Physical laboratory engineer of physics and technology department:
Conduction of applied research work: Manufacturing and automation of test stands, conduction of experiments, statistical data processing, making of corresponding reports, technical documentation and papers;
Working in the field of optimisation of power engineering processes: making of technical and general documentation, providing analysis reports, including with FEM and FEA applications, creation of SCADA environment for test stands.

OJSC "VTI" main fields of interest:

Examination of nuclear power plant construction materials (zirconium alloys) by modelling the environment of LOCA (loss of coolant accident) breakdowns (assistance is stand construction, automatization, conductance of tests);

Optimisation of boiler chemical cleaning procedures in BN type nuclear power plant boilers (conductance of calculations, making of reports);

Examination of optimal boiler chemical cleaning compositions based on EDTA salts (Trilon B)

June 2021 - present - LLC "K-Energo". Design engineer of the APCS department:

Assistance in preparation and writing working and design project documentation (erection documentation, technical reports, calculations) of technological processes and automatisation sections, including technical translation for the needs of he consumer;

Assistance in installation supervision and comissioning work on-site, including providing interpreter duties;

Planning and making purchasing decisions for the benefit of the company;

Assistance in participation in 223-FZ type tender procedures and preparation of documentation.

Main field of interest - design of gas turbine air intake systems (AIS) (including Udarnaya power plant, Nizhnekamskaya power plant, etc.)

Professional experience:

Good knowledge and experience in processes and machinery related to TPP energy generation, including water treatment, steam generation at NPPs and air intake systems;

Experience in: developing technical and project documentation in power engineering, making theoretical models and optimisational calculations, making installation work on-site;

Knowledge of object-oriented, imperative and functional programming paradigms. Good knowldge of Javascript (including node.js (MEAN stack), react-redux), Python, (unfortunately) Matlab (GNU Octave), R, G (Labview);

Good knowledge of basic CAD applications, including Autocad, Autodesk Inventor. Experience in Aspen HYSYS, ANSYS, Freecad/CalculiX (FEM analysis);

🇬🇧 C1 english level (IELTS certificate);

Personal qualities: creativity, sociability, reliability, integrity and other qualities that must be displayed in a standart CV.