

Alexey Vavilov
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PROFESSIONAL SUMMARY

Excellent working skills in CAD programs SolidWorks and NX.
Modification of scanned objects into a solid.
Drawings according to GOST and ESKD.
Teamwork.
Working with model plastic and clay for industrial design.

WORK EXPERIENCE

Mechanical Engineer

Aug 2019 - Present

Unitary Non-profit Organization "Krasnodar Territory Business Development Fund" • Krasnodar, Russian Federation

Development of 3D models, development of parts according to drawings, development of products according to technical specifications from the customer, development of drawings. Next, the production of prototypes using a 3D printer using FDM SLA and SLS printing technology. Further refinement of 3D models, as well as manual modification of the design. Development of industrial design of a gasoline tool manually with the help of model plasticine and clay. Further, based on the scan of the received design, the design is being finalized in the NX and SolidWorks program. Next, printing on a 3D printer to check for the assemblability of parts, followed by the development of molds for mass production. In the process of work, I use a creative approach to product development, and I also negotiate with the customer to draw up a design specification.

Mechanical Engineer

Oct 2016 - Jul 2019

"RMNTK-Thermal systems" • Krasnodar Territory Black Sea, Russian Federation

Development of the design of the purification unit of the circulation system, development of the refueling module based on standard projects. Performing strength calculations (static and dynamic calculation) of the structure in compass and solidworks.

Mechanical Engineer

Aug 2012 - Sep 2016

"TBS-Installation" • Krasnodar, Russian Federation

Development of the technological process of manufacturing a block container. On the basis of lean manufacturing, the arrangement of equipment, the organization of the workplace according to the system

5C, preparation for the launch of production in the GULFSTREAM system (the Russian program of the company "ASKON").

EDUCATION

Professional development

Apr 2022 - Apr 2022

LLC "PLM-Integrated Systems" • Yekaterinburg, Russian Federation

Advanced training course on the program "Fundamentals of modeling and design of drawings in NX"

Professional development

Jan 2015 - Jan 2015

ASKON-Production Solutions LLC • Krasnodar, Russian Federation

Production planning and accounting in the GULFSTREAM system, preparation of production for launch in the system

GULF STREAM.

Technologist

Jan 2014 - Jan 2014

ASKON-Production Solutions LLC • Krasnodar, Russian Federation

User course on working with CAD of technological processes

VERTICAL 2014

"ASKON-YUG", Technologist

Specialist

Sep 2005 - May 2010

Kuban State Technological University • Krasnodar, Russian Federation

Faculty of Mechanical Engineering and Car Service, specialty engineering technology and computer design, diploma. Degree Specialist

SKILLS

CAD programs of SolidWorks and NX

Static calculation and drawings

Industrial design

3D printing and post-processing
Development of the simplest part processing programs for a milling machine
Skills with a hand tool for processing products after 3D printing: engraver, drill, electric saw. Familiar with the production process;

Have knowledge in the field of geometric tolerances;

Have experience in the manufacturing sector;

I approach mechanical things with enthusiasm both in life and in work.