

Przemysław Furman

Development Engineer

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Education

Master of Science

Warsaw University
of Technology,
Department of Mechatronics,
Automation Control and
Robotics
2015-2017

Erasmus+

Dresden University
of Technology ,
Mechanical Engineering
2015-2016

Engineer

Warsaw University
of Technology,
Department of Mechatronics,
Automation Control and
Robotics
2011-2015

Languages

English- advanced
German - basic

Skills

- Siemens NX
- Solidworks (CSWP)
- Autodesk Inventor
- AutoCad
- Fusion 360
- Onshape
- CAM Programming
- Arduino
- Prototyping
- MS Office
- Project Management
- Femap Nastran
- Ansys ACP (Basics)

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Graduate from Warsaw University of Technology, department of Mechatronics. For couple of years working in the industry of composite materials. Taking part in many various projects with use of new technologies and materials.

Working Experience

Composite Design Engineer

Pontis Engineering / 2020 -

Responsible for product design and structural analysis. Beginning with concept, through FE analysis to final design for manufacturing of the part. Working with composite products regardless manufacturing technology.

Development Engineer/Mechanical Designer

New Era Materials Sp. z o.o. / 2017 - 2020

Working at Product Development. Being responsible for part and mould design, choosing manufacturing technology for prototyping and process optimisation. Designing parts for additive and loss technologies. CAM programming for 3-axial CNC machine. Mould design for hydraulic and vacuum presses. Providing technical support for clients. Production process implementation within clients facilities. Prototyping and developing serial production.

Freelance

Warsaw / 2016 - 2017

Design of robotized demo stand for sorting components. Implementation of own ideas and completion full technical documentation. FEM simulations of supporting elements.

Younger Designer

Dresden University of Technology / 2015 - 2016

Working at the Institute of Lightweight Engineering and Polymer Technology. Upgrade of mobile USG module for NDT of composite structures. Working with 3D scanners, fiber optics, conducting laboratory tests. Working in international team.

Additional Achievements

Enea+ Innovation Contest Winner

Warsaw / 2015

Country level contest for most innovative project that fits business strategy of Enea S.A. energy company. The winning project presented a mobile robot for inspecting high voltage transmission lines.

WUT Solar Boat

Warsaw University of Technology / 2016- 2017

Participation in worldwide championship Solar1 Monte Carlo Cup. Designing and building 6 meters long solar powered boat. Main task in the project was to prepare and manufacture all composite elements.