

Sylwester Szewczyk



CONTACT

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Github:

<https://github.com/SylwekSzewczyk>

LANGUAGES

Polish - native

English – full professional proficiency

Russian – intermediate

French – intermediate

SOFT SKILLS

Communicative

Detail-oriented

Attentive

High work ethic

Focused

INTERESTS

Artificial intelligence

American football

Behaviorism

WORK EXPERIENCE

12/2019 - present

Expert Dynamics & Validation Tests Engineer, **Aptiv**, Cracow Poland

Responsibilities:

- Analyzing test results data and preparing feedback to customer
- Performing linear and nonlinear analysis using FEA on previously designed vibration test setups
- Analyzing and creating test specifications and automotive standards
- Leading validation projects
- Performing analysis review for the team

11/2017 - 11/2019

Dynamics & Validation Tests Engineer, **Aptiv**, Cracow Poland

Responsibilities:

- Analyzing test results data and preparing feedback to customer
- Performing linear and nonlinear analysis using FEA on previously designed vibration test setups
- Analyzing and creating test specifications and automotive standards

03/2017 – 10/2017

Dynamics & Validation Tests Engineer, **Delphi**, Cracow Poland

Responsibilities:

- Analyzing vibration test results data and preparing feedback to customer
- Performing linear and nonlinear analysis using FEA on previously designed vibration test setups
- Analyzing and creating test specifications and automotive standards

04/2016 – 02/2017

Mechanical Test Development Engineer, **Delphi**, Cracow Poland

Responsibilities:

- Designing mechanical test systems
- Creating technical documentation
- Analyzing and creating test specifications and automotive standards

01/2015 – 03/2016

Junior Mechanical Test Development Engineer, **Delphi**, Cracow Poland

Responsibilities:

- Designing mechanical test systems
- Creating technical documentation

EDUCATION

2019 - 2020

Postgraduate studies at University of Science and Technology, Cracow.

Faculty: Database systems

2013 - 2014

Master of science from University of Science and Technology, Cracow.

Faculty: Automatics and Robotics, specialization: Robotics

Thesis: Numerical modelling of soft tissues.

2009 - 2013

Bachelor of science from University of Science and Technology, Cracow.

Faculty: Automatics and Robotics

Thesis: Control of nonlinear systems using neural networks.

CORE SKILLS

- Python (numpy, pandas, scikit-learn, keras, NLP)
- Microsoft SQL Server, relational databases
- CAE: Ansys, Abaqus
- Jupyter Notebook
- Jira
- Scrum
- Knowledge of machine learning algorithms, deep learning, linear algebra, numerical modelling, statistics, nonlinear analysis, data analysis