Ing. IHOR MIRZOV, PhD

Research engineer (nuclear and automotive industries).
Always seeking the most elegant solution.
Smart, intelligent, strict, punctual, accurate.
Ukrainian, age 40, IQ 124, speak 4 languages, ISTJ.
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LinkedIn
Research Gate
Google Scholar
GitHub

MAIN SKILLS

R&D, complex problem solving.
Python, C, wide programming experience since 1992.
Abaqus: non-linear FEA with Fortran subroutines.

EDUCATION

2008–2016: PhD "Stress-strain state of the VVER-1000 RPV internals"

2002–2008: Moscow Institute of Physics and Technology

EMPLOYMENT

2020–Now: Programmer at Škoda Design (externist from IDIADA)

- Light orchestration, Raspberry, Arduino, MicroPython, Embedded C, Autodesk VRED, Blender, VR etc.
- The whole Škoda Design department relies on my tools and scripts.

2019–Now: CAE Project Engineer at Applus IDIADA

- FE analyses for automotive industry, research projects, python scripting.

2016–2019: R&D specialist at UJV Řež a.s.

- Non-linear SIMULIA Abaqus models with Fortran user subroutines, stress-strain state with radiation creep and swelling, thermal transients, strength assessment.
- Supported Czech and Ukrainian nuclear power plants.
- Python scripting, data processing, FE models pre- and post-processing.

2007–2016: Research specialist at Paton Electric Welding Institute

- Matlab/Octave scripting for scientific spatial data processing.
- Welding simulation, strength assessment of operating Ukrainian NPP components.
- Static strength, fatigue, thermal shock.