Vladislav Shtepa

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Full portfolio available at <u>www.shtepa.me</u>

URBAN INFRASTRUCTURE DESIGN ENGINEER

Urban infrastructure design engineer with 10+ years of experience in lightweight steel structures, modular design, and 3D modeling (Inventor, AutoCAD). Skilled in delivering CNC-ready fabrication files and parametric solutions that reduce production time and errors. Relocated to the U.S. in 2025; currently studying U.S. building codes (IBC, ASCE, AISC).

WORK EXPERIENCE

Arch Dvor · Urban infrastructure design engineer | St. Petersburg, Russia   Aug 2022 – Feb 2025
Part-time

- Delivered 5 residential complex projects with 75+ unique steel/pergola/bench elements.
- Cut CNC prep time by ~90% via iLogic/AutoLISP automation.
- Reduced welding & assembly time 3x with modular design

Technopark A · Urban infrastructure design engineer | St. Petersburg, Russia   Mar 2024 – Dec 2024
Full-time

- Developed 5 new products and optimized 20 existing designs for durability and manufacturability.
- Revised and standardized documentation for 15 products, ensuring accuracy.
- Temporarily managed engineering team, coordinating tasks and reviewing outputs.

Ecostyle · Urban infrastructure design engineer | St. Petersburg, Russia   Jul 2021 – Jan 2025
Part-time

- Developed 40+ urban improvement products (canopies, benches, playgrounds).
- Created library of standard assemblies, improving workflow efficiency.

Megapolis · Head of Engineering Dept. | St. Petersburg, Russia   Oct 2018 – Mar 2022
Full-time

- Led a team of 6 engineers delivering 100+ custom small architectural forms.
- Standardized documentation & modular nodes, accelerating design under tight deadlines.

Earlier experience: NordWerk (2017–2018), Temir Tulpar (2014–2017).

EDUCATION

Specialist Degree in Hydrology & Water Resources Engineering | Kyrgyz-Russian Slavic University (equivalent to U.S. Master's)

SKILLS

- Design & Engineering: AutoCAD, Inventor, 3ds Max, Structural Calculations, Documentation
- Automation: iLogic, VBA, AutoLISP, Workflow Optimization
- Fabrication: CNC, Welding & Assembly Optimization
- Leadership: Team Coordination, Documentation Standards

ADDITIONAL

Languages: Russian (native), English (intermediate, improving), German (basic)
Work Authorization: U.S. Permanent Resident (Green Card)