

ELVIRA NURGALIEVA, EI

Industrial Engineering | Manufacturing Engineering | Systems Engineering

Castle Rock, CO, elviralabs.github.io/personal_site/

LinkedIn: linkedin.com/in/elvira-n

PROFESSIONAL SUMMARY

Engineer Intern (EI) with an internationally accredited Bachelor's degree in Systems Engineering (NCEES evaluated as equivalent to a U.S. engineering bachelor's degree) and experience supporting engineering, manufacturing, and product development organizations through reverse engineering, CAD, technical consulting, requirements analysis, and operations coordination. Seeking opportunities in Industrial, Manufacturing, or Systems Engineering where I can contribute to process improvement, manufacturing support, and operational excellence.

CORE ENGINEERING COMPETENCIES

- Process Improvement
- Requirements Analysis
- SolidWorks
- Workflow Analysis
- Systems Thinking
- Fusion 360
- Manufacturing Support
- Technical Documentation
- Reverse Engineering
- Root Cause Analysis
- Stakeholder Collaboration
- CAD Modeling

PROFESSIONAL EXPERIENCE

Sales Engineer

Thor3D | Moscow | 2018–2022

Conducted technical requirements analysis to recommend reverse engineering and 3D scanning solutions.

Developed CAD models using SolidWorks, Fusion 360, Geomagic Design X, Rhinoceros, and Blender.

Collaborated with engineering teams to support manufacturing and product development organizations.

Delivered technical demonstrations and end-user training for engineering customers.

Dispatch Coordinator

Multimedia Communications | New Zealand | 2017–2018

Coordinated field operations including scheduling, documentation, and resource allocation.

Supported infrastructure deployment through cross-functional communication.

Sales Associate

The Home Depot | Colorado | 2024–Present

Analyze customer requirements and recommend technical products for construction and maintenance projects.

Support operational efficiency through inventory awareness, teamwork, and structured problem solving.

ENGINEERING PROJECTS

Retail Process Improvement Study (In Progress)

Manufacturing Workflow Analysis (Planned)

Reverse Engineering Workflow

Requirements Analysis Case Study

Assembly Line Balancing Simulation (Planned)

EDUCATION

Bauman Moscow State Technical University

Bachelor's in Systems Engineering (NCEES evaluated as equivalent to a U.S. Bachelor's degree in Engineering)

Relevant coursework: Systems Analysis, Automation, Robotics, Machine Design, Computer-Integrated Manufacturing, CAD, Production Processes.

Southern Institute of Technology — Postgraduate Diploma, Business Enterprise

Higher School of Psychology — Bachelor of Arts, Psychology

Georgia Institute of Technology — Engineering Mechanics coursework

CERTIFICATIONS

- Engineer Intern (EI)
- Fundamentals of Engineering (FE) – Industrial & Systems Engineering

LANGUAGES

English • Russian • Kazakh