

John Umarov

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Education

UNIVERSITY OF MINNESOTA

Data Analytics & Visualization Bootcamp

Minneapolis, MN

March 2022

UNIVERSITY OF ST. THOMAS

Bachelors of Mechanical Engineering

Saint Paul, MN

May 2016

Work Experience

Loram Maintenance Way Inc.

Hamel, MN

Designer Engineer

February 2020 - May 2020

- Executed 2D and 3D Computer-Aided Design (CAD) to create complex conceptual layouts of machines and systems
- Worked independently and in coordination with other engineering design disciplines to complete tasks within schedule
- Used tools such as AutoCAD, Autodesk Inventor 2020, and IFS/PDM to process design modifications and addendums
- Consulted with senior engineers on materials and specification of design

Safran

New Brighton, MN

Sales Analyst

March 2017 - March 2018

- Generated multi-million dollar cost analyses of turbofan jet engine equipment
- Written contractually binding text of technical specifications along with customer and supplier responsibilities
- Presented ultimate pricing of military aerospace equipment with compliance under International Traffic in Arms Regulation
- Collaborated on teams of diverse industry experts to finalize costs of aerospace equipment manufacturing

Unison Comfort Technologies

Minneapolis, MN

Design Engineer

January 2016 - January 2017

- Produced and presented HVAC design submittals on a weekly basis for top management approval
- Gained technical knowledge of applications such as direct drive fans, heat exchangers, and DX coils
- Assisted the sales team on engineering and cost reduction recommendations
- On site travelling for documentation and installation research

City of Minneapolis

Minneapolis, MN

Fleet Division Engineering Intern

June 2015 - December 2015

- Assisted in Green Fleet benchmarking to compare unit/vehicle operations for greenhouse gas emissions (GHGs)
- Documented government fleet lifecycle management based on cost analysis, equipment type, maintenance and age
- Extracted data from asset management/financial software to perform analysis of vehicle reliability for police departments

Skills

- Structured Query Language (SQL)
- Python
- AWS
- Javascript
- ANSYS: Analytical Modeling (Part design, Meshing, Parameter variables), and Full Report Formulation
- SolidWorks: 3D Parts, Assembly, Wind Tunnel Simulation
- MS Office (Excel VBA)
- Autodesk Fusion 360: 3D part build and assembly
- Fluent in Russian

Volunteer/Projects/Activities

- 2nd Harvest Heartland and Support The Cities weekly volunteer
- Engineers for a Sustainable World (ESW) – Group Leader
- Fusion 360 Challenge organized by Autodesk – Selected winner
- Clinton Global Initiative 2015 invitee - Raised grant money for the Solar Parabolic Dish Project