Serhii Pashchenko

CAD Team Lead · Mechanical Design, Drafting & Manufacturing

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linkedin.com/in/s-o-pashchenko · Portfolio (Google Drive)

LinkedIn Portfolio

PROFESSIONAL SUMMARY

Strategic CAD Team Lead, energetic self-starter with strong mechanical aptitude with hands-on experience in CNC machining, CNC brake and CNC Laser machines. Will bring a strong mechanical engineering background, business management experience, vendor management, sales and strong negotiation experience. Proven track record of driving custom steel manufacturing projects from initial design concept through to final shop-floor production. Expert in CAD administration (SolidWorks PDM, Onshape, AutoCAD) and managing complex mechanical workflows. A multilingual (fluent in three languages) and culturally agile leader known for outstanding interpersonal skills, mitigating production risks, and seamlessly bridging the gap between customers, engineering, and manufacturing teams to deliver high-quality projects on time, within scope, and on budget.

KEY SKILLS

- Mechanical Design & Drafting
- Experience in full project lifecycle of custom benches, tables, planters, hot tubs, carts, shuffle boards, canopies, umbrellas based on customer requirements
- SolidWorks, Onshape, and other CAD Software (2D & 3D CAD Modeling)
- PDM Administration
- Welding, Drilling and bending fixture design experience
- ERP systems (JobBOSS, Epicor, Fulcrum)
- Manufacturing Processes & Documentation
- HVAC & mechanical systems design
- Reading & Interpreting Engineering Drawings
- Design for Manufacturing (DFM)
- Technical Problem Solving and bottleneck resolution
- Collaboration & Communication
- Managing Multiple Projects
- Hands-on Mechanical Aptitude (power & hand tools)
- Quality Assurance (QA), first-article & in-process inspection
- Operations planning & production scheduling
- GD&T and tolerance analysis / tolerance stack-ups
- Autodesk Inventor (familiar); SolidWorks, AutoCAD & Onshape (proficient)
- AI-assisted checking of production files and drawings

SOFT SKILLS

- Team Collaboration
- Communication
- Attention to detail
- Time management
- Eager to learn
- Languages: English, Ukrainian, and Russian

PROFESSIONAL EXPERIENCE

Feb 2024 – Now **CAD Technician / Team Leader (Full-time)** | Shape Industries Inc.
Winnipeg MB, **Canada**

- Responsible for the full project lifecycle from initiation to fabrication. Held accountable for each phase of fabrication.
- Launched the company's first AI-integration initiative — built AI-assisted workflows that check production files and shop drawings for errors about **10× faster than manual review**, improving accuracy and consistency while freeing engineering time.
- Developed and implemented a digital BOM fix-request system, reducing incorrect hardware and material orders by 90%.
- Produced DXF material layouts for laser cutting.
- Reduced material waste by 30-50% by implementing new layout software and optimizing multiple projects and re-designing of existing custom benches within the same structural integrity.
- Labor estimation for laser cutting.
- Digitized and streamlined the drawing request process, eliminating lost requests and significantly improving team time management.
- Organized and standardized product and design libraries, improving workflow efficiency and reducing duplicate files.
- Led and coordinated large-scale drawing projects from planning to completion. (see portfolio)
- Trained all new team members on internal systems, CAD workflows, ERP system, and drawing standards.
- Collaborated with the production team to resolve drawing issues and improve cross-department communication.
- Administered PDM Vault and Onshape, creating new workflows, managing user permissions, and resolving technical issues to ensure smooth system operations.

May 2020 – Aug 2022 (2 yrs 4 mos) | **Internship CAD Technician and CNC Operator** | NEOMAG
Kharkiv, **Ukraine**

- Gained proficiency in SolidWorks for CAD modeling and design.
- Developed a solid understanding of manufacturing processes and workflows.
- Operated and supported various machinery, including CNC Laser and MOPA marking machines.

Dec 2022 – Feb 2024 | Line Cook Part Time | Boston Pizza
Winnipeg MB, **Canada**

- Assisted in training new team members and supporting their onboarding.
- Gained practical experience in team coordination and communication.

PROJECTS

Design Library Simplification Project

- Collaborated with multiple teams to reorganize and streamline the design library and part numbering system, improving accessibility and reducing duplicates.

Large Designed Bench

- Led a team of 3 CAD Technicians to complete a comprehensive drawing package for a **26 ft × 15 ft angled bench**, ensuring accuracy and manufacturability.

Custom Metal Sign for SOHO Restaurant

- Designed and manufactured a custom metal store sign, from concept to production, meeting client specifications.

EDUCATION

Feb 2023 - Feb 2024 | **Louis Riel Arts and Technology Centre**
Web Developer's Certificate
Winnipeg, Manitoba

Sep 2022 - Jun 2024 | **Windsor Park Collegiate**
High School Certificate
Winnipeg, Manitoba

Sep 2011 - Jun 2022 | **Kharkiv Specialized School of I-III levels №87**
Certificate Of Complete General Secondary Education
Kharkiv, Ukraine

VOLUNTEER EXPERIENCE

Oct 2023 - Nov 2024 | Louis Riel School Division | 30 Hours |CAPS | Career & Post-Secondary Symposium
Winnipeg, MB

- Introduced the CEO of BSD to the audience, ensuring a professional presentation.
- Organized and prepared event rooms for smooth operations.
- Assisted guests in locating resources and navigating the event, enhancing their overall experience.

Sep 2023 - Feb 2024 | SHO Coffee & Bar | 160 Hours | Web Developer/Designer
Winnipeg, MB

- Designed a Logotype
- Developed a Web site
- Designed Menu
- Created a Brand book

CERTIFICATION

- CSWA – Certified SOLIDWORKS Associate
- Onshape Certification
- WHMIS
- Lean Certificate