

Jill Schmid

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SUMMARY

I have a background in both design and in manufacturing engineering, and my work focuses on combining modern design, technology and processes with elements of historical craftsmanship and methods. I specialize in woodworking and musical instruments, but have worked in a variety of different areas, including metals, soft goods, jewelry, and electronics.

EDUCATION

BFA Industrial Design | Rochester Institute of Technology | Summa Cum Laude Honors | 2022 - 2026
Manufacturing Systems Minor | 2026

EXPERIENCE

Manufacturing Engineering Intern at Paul Reed Smith Guitars | **2025** | Stevensville, Maryland, USA

- Collaborate with factory floor managers and operators to perform process audits and interviews then create and execute engineering tasks from these audits
- Use SOLIDWORKS to design and create jigs and fixtures using digital fabrication as well as traditional techniques and create and maintain documentation and engineering drawings of these fixtures
- Plan and implement a 3D printing process and maintain and modify 3D printers

Fabrication Technician at FabLab (RIT) | **2023-2026** | Rochester, New York, USA

- Operate and maintain laser cutters, vinyl plotters, waterjet cutters, CNC routers, and SLA and FDM 3D Printers
- Troubleshoot and prepare projects with customers for fabrication and resolve communication issues to ensure the best possible quality
- Use a ticket system to manage a large volume of fabrication requests

Summer Teaching Personnel at Nova Labs Makerschool | **2022-2024** | Fairfax, Virginia, USA

- Develop projects, lesson plans, and curriculum for woodshop, electronics, and metals
- Adapt instruction to suit classes with a wide variety of ages (elementary - highschool)
- Instruct students on CAD, electronics, digital manufacturing (laser cutter, vinyl plotter, FDM printers), as well as in wood and metal shop skills

SKILLS

Proficient in CAD Programs (Fusion 360, Onshape, Sketchup), Sketching, Wood and Metal Shop Machinery, Basic Electronics and Soldering, Digital Fabrication Techniques (Laser Cutting, Vinyl Cutting, SLA and FDM 3D Printing, CNC Router), Adobe Creative Suite, Classroom Instruction

AWARDS AND CERTIFICATIONS

Finalist in Kering Generation Award X Jewelry | **2026**, RIT T-Minus "Best Overall Design" | **2024**, Six Sigma Green Belt | **2023**, Club Officer and Founding Member of Birding at RIT Club | **2022-2024**