

# Shawn Dunn

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## Summary

Detail-oriented professional with experience in precision machining and IT, transitioning into software and game development. Skilled in Python, C#, Java, SQL, HTML, JavaScript, and Unreal Engine 5. Strong background in troubleshooting hardware/software, Git/GitHub documentation, and creating interactive simulations. Combines manufacturing precision with creative problem-solving, pursuing a career in AI-driven systems and game design.

## Skills

- Python – Simulations, AI logic, debugging
- C# – Object-oriented design, event-driven logic
- SQL – Database design, complex queries
- Java – Data structures, backend applications
- HTML/CSS/JavaScript – Responsive web apps, forms
- AI & Simulation Systems – Emergent NPC behavior
- Hardware/Software Troubleshooting – PC, drivers, Windows
- Git/GitHub – Version control, documentation
- Tool & Die / EDM – Wire EDM,  $\pm 0.0002"$  tolerances
- Documentation & Communication – Clear logs, reports

## Work Experience

### Wire EDM Operator

Gromax Precision and Mfg  
Germantown,  
January, 2024 - August, 2025

- Programming, Setup, Operating, and performing maintenance on two WEDM machines. Both following and drawing prints.

### CNC Programmer

Ultra Fiberglass Systems  
Milwaukee,  
May, 2021 - January, 2024

- Here at Ultra I used Solidworks to break apart 3D assembly models into individual part files. Then determine what parts were best to run on a Biesse Rover. Using excel I would make a Cut List for the operator. I would use proprietary software for the Biesse Rover to program machining paths and tooling selections. For unique jobs or other job specific needs I would set up machine as well.

### CNC Programmer/Operator

Wisconsin Steel And Tube  
Milwaukee,  
August, 2020 - May, 2021

- I worked as a CNC Operator and Programmer for Trumpf and Mazak Tube Laser. I operate 10 ton crane and forklift throughout the day to complete task safely and efficiently. I have been directly involved in process changes and fabrication to insure better labor times and rate of production

### Shift Lead

Sanborn Tube Sales  
Pewaukee,  
September, 2019 - August, 2020

- I operated and program BLM Tube Laser. I would set up, run, perform quality check, and maintain the machines. In addition to this I was the second shift lead with no direct supervision. These duties included making sure all rules, regulations, SOP's, WP's are adhered to. As well as motivating and training crew. From production to quality departments. Also would balance attendance punches and time calculated to work orders. I was also part of the company's continuous improvement program, safety committee, and M.E.R.T.

### CNC Operator

Leibovich Steel & Aluminum/ USA Metals  
Rockford,  
May, 2017 - August, 2019

- My primary duty was running a Messer CNC Flame Cutting Machine with Oxy Gas Assist. Daily routine was download engineered programs or modified standard programs on machine. Check and setup equipment. Verified data and materials. Run sample piece. Check sample piece with tape measure and caliper. Ran program to desired piece count in a timely manner with desired quality. Operations would involve use of a 20 ton Double Trolley Over Head

Crane and 4 ton forklifts. Became Direct hire into USA Metals. Job operation continued. Also trained and ran Plasma Cutter with both Oxy and Nitrogen Assist. Helped in various other departments. Ranging from Part Clean, Parts Blasting, Unloading/Loading Trucks. USA Metals merged with Liebovich. Many were let go I was kept. Continued previous duties for a few months. Trained on CNC Trumf Laser that was a flat table CNC Laser cutter. Then was sent out-of-state for a one week training session. It was for a 5-Axis CNC tube cutting laser machine called BLM Tube Laser. From then on worked heavily with management, engineering dept, production dept, sales, ect., as Lead Operator for machine as operations was built for new department for manufacturing. Worked closely with maintenance and manufacturer to learn and perform routine maintenance, calibration, troubleshooting, and routine maintenance.

## Education

IT- Computer Software and Web Development  
Waukesha County Technical College  
5/2025

All Required  
Thomas Jefferson High School  
8/2002 to 4/2006