

## Patrick J. Brown

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Eden Prairie, MN

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### OBJECTIVE

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Continuing a career in manufacturing, industry, and design to bring the employer a hardworking, determined-to-excel employee

### SKILLS

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- Strong proficiency in AutoCAD, AutoSPRINK HydraCAD-R, SolidWorks, Creo Parametric, Microsoft Office with experience in Revit and Inventor
- Knowledgeable in NFPA 13, 13R, and 13D and International and State Codes including Building, Residential, Fire, and Plumbing Codes
- Experience with the development of fixtures for CNC and cutting operations, G-Code, conventional tool operation, interpretation of part drawings, and measurement of precision parts using calipers, micrometers, and height gages
- Comprehension of construction materials such as PEX, fiberglass, HDPE, MDF, metals, and woods
- Strong written and verbal communication and math skills along with attention to detail
- Excellent vision showing no color-blindness and physically capable of workload

### EXPERIENCE

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#### **Lifesaver Fire Protection** *Designer*

Golden Valley, MN  
April 2018 – April 2020

- Designed residential, commercial, and mixed-use wet and dry fire suppression systems for new and existing buildings with both plastic and steel pipe
- Created construction documents for permit and installation including material lists, hydraulic calculations, and data submittal packages
- Developed work processes with design team to implement uniformity and standardization across all projects
- Coordinated with pipe fitters and multiple trades to improve design, avoid conflicts, and reduce rework
- Surveyed new and existing job sites to verify design and accurately order stock and fabricated materials
- Peer reviewed submittal drawings and material lists for errors and optimization
- Provided direct technical support to field as well as architects, general contractors, and subcontractors

#### **Uponor** *Design Technician, Fire Safety*

Lakeville, MN  
December 2014 – March 2018

- Designed residential fire suppression systems for new construction and existing buildings
- Created construction documents for permit and installation including material lists and hydraulic calculations
- Worked closely with team members to develop best practices, review code changes, and improve workflow
- Designed projects ranging from 200 ft<sup>2</sup> to over 20,000 ft<sup>2</sup> including town and rowhomes, builder models, and custom homes

#### **Proformance Manufacturing Inc.** *Lead CNC Operator*

Lone Rock, WI  
March 2011 – July 2012

- Created packaging for completed customer orders ranging from one to ten custom windows
- Applied mechanical repairs and maintained equipment for cutting operations
- Experienced with cutting processes, forklift and truck-trailer operation, lamination, adhesives, glass handling and quality, and inventory control
- Prepared Documented Work Instructions as well as current-state evaluations and health and safety recommendations
- Supervised factory floor work for one to two employees for quality control and training

### EDUCATION

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#### **Hennepin Technical College** *A.A.S. Engineering CAD Technology*

Eden Prairie, MN  
December 2014

#### **Southwest Technical College** *Basic CNC Setup/Operator*

Fennimore, WI  
December 2010