



## RESUME SUMMARY

Strong work ethic with vast array of talent and experience. Motivated and dedicated to doing a great job. Communicate and work well in team settings and thrive independently. Enjoy working, being helpful, solving problems, completing projects and learning new skills. Environmental Health & Safety mindfulness in regards to business liability and operation efficiency a top priority. Extensive computer experience and a passion for technology advancement. Successful mechanical engineering collaboration, design, creation and implementation.

## CORE COMPETENCIES

Mechanical Aptitude • Custom CAD • Technical Writing • Engineer Drawings • Prototype Development • Computer Programing • Biochemical Safety • CDL Supervisor • Safety Training • Building Maintenance • Process Controls

## PROFESSIONAL EXPERIENCE

**Oct 2021 – present • Independent Work, Bozeman, MT**

### Independent Design & Contracting

- Design, adaption and development of outdoor equipment and tools.
- Client communication for design and development of desired product.
- Renovations, remodels and residential contracting and maintenance.
- Technical writing for patent and research involving design development.

**Oct 2018 – Oct 2021 • Genentech, South San Francisco, CA**

### Bioprocess Manufacturing Technician

- Purification of CHO and E.coli cell lines through to injectable proteins.
- Trouble shooting and repairing equipment to retain production schedules.
- GMP & GDP procedures though SOPs to ensure FDA compliance.
- Proactively mitigating hazards to self, equipment and product.
- Automated and manual operations encompassing evolution of biotechnology.
- Bioprocesses skids, chromatography columns, and many filtration types.
- Safe work involving high temperature, pressure and voltage supply lines.
- Constant interdepartmental communication to maintain equipment.
- Team player always helpful, productive, constant improvement goals.
- eCornell training programs in Python data processing and SQL courses.

**May 2008 – Oct 2018/present • Montana Whitewater, Bozeman, MT**

### Maintenance Engineer & Operations Manager

- Identify problems in operations, implement and prioritize solutions.
- Manage teams, solutions, communications and scheduling over departments.
- Responsible for properties, equipment and zipline maintenance & inspections.
- Mechanical CAD & small part manufacturing, custom architectural CAD design.
- Graphics and web design, marketing, frontend and backend problem solving.
- Networking between multiple computers, prototypers and ASIC servers.
- Prioritize safety of public, customers, employees, self and environment.
- Commercial driver supervisor ensuring compliance with state regulations.
- High and Low angle rope rescue training in addition to First Aid & CPR.
- Constant mitigation and removal of hazards in dangerous situations.

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## EDUCATION

**Bachelor in Biological Engineering**  
Montana State University  
Dec 2013

**Bachelor in Chemical Engineering**  
Montana State University  
Dec 2013

## SKILLS

Problem Identification & Solutions

Analytical & Critical Thinking

Design Conceptualization

CAD architectural & mechanical

3-D rendered STL to Gcode Slicing

Maintenance planning & execution

Customer service & relations

Research and Development

MS Office, Adobe CS6, Python, HTML

SQL, SolidWorks, FreeCAD, Revit

AutoCAD, COMSOL, MathCAD

Aspen HYSIS, Process Explorer

RepRap assembly and calibration

Firmware programming and Flashing

HMI, PID, PLC & SCADA controls

HVAC & mechanical work

EHS, First Aid, CPR, PPE Safety First

Distillation, PCR, spectrometry

Gas & liquid chromatography