

**John Auther**  
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## **PROFESSIONAL SUMMARY**

Highly skilled Mechanical Engineer with extensive experience in designing, implementing, and optimizing mechanical systems to improve manufacturing efficiency and product quality. Proven success in boosting production performance by 30%, reducing equipment downtime by 15%, and enhancing assembly precision by 25% through innovative design and process improvements. Adept at system testing, predictive maintenance, and leading cross-functional teams to achieve operational excellence.

## **PROFESSIONAL EXPERIENCE**

### **Mechanical Engineer | BioChroma Life Sciences | Jan 2024 – Present**

- Led the design and optimization of automated mechanical assembly lines, increasing production efficiency by 30% and reducing manual labor costs by 20%.
- Developed a preventive maintenance program for key machinery, reducing downtime by 15% and saving \$200,000 annually.
- Supervised a team of 10 engineers in developing a high-precision mechanical arm, improving assembly accuracy and speed by 25%.

### **Mechanical Design Engineer | Brandpulse Strategies | Mar 2023 – Dec 2023**

- Designed and implemented mechanical components and fixtures to enhance product assembly and testing processes.
- Collaborated with electrical and software teams to integrate automated control systems, reducing alignment errors by 20%.
- Conducted performance testing, calibration, and troubleshooting, maintaining 99% uptime.

### **Junior Mechanical Engineer | Summit Semiconductor | Nov 2021 – Mar 2023**

- Designed and prototyped gripping and handling mechanisms, improving speed by 40% with zero damage.
- Assisted in developing an automated welding system, improving accuracy by 30% and reducing waste by 15%.
- Supported integration of mechanical systems, increasing production output by 10%.

## **TECHNICAL SKILLS**

- Mechanical System Design & Analysis
- Preventive and Predictive Maintenance
- CAD Modeling (AutoCAD, SolidWorks)
- Thermal & Fluid Systems
- Manufacturing Process Optimization
- Mechanical System Testing & Troubleshooting
- Automation & Control Integration

- Material Selection & Failure Analysis
- Team Leadership & Collaboration

## **EDUCATION**

Bachelor of Science in Mechanical Engineering  
Worcester Polytechnic Institute (WPI) – Worcester, MA  
2016–2020

## **CERTIFICATIONS**

- Certified Professional Mechanical Engineer (CPME) – ASME, 04/2024
- Certified Automation Professional (CAP) – ISA, 04/2023
- Lean Six Sigma Green Belt – IASSC, 04/2022