

# Hayden McCarthy

+1 (616) 558-6417 | [haydenmccarthy19@gmail.com](mailto:haydenmccarthy19@gmail.com) | <https://www.haydenmccarthy.info>

## CAREER OBJECTIVE

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To utilize my experience in managing manufacturing operations, translating complex regulations into actionable processes, and implementing ERP systems to drive innovation and optimize business performance.

## EDUCATION

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### WESTERN MICHIGAN UNIVERSITY

Kalamazoo, MI

Coursework toward Bachelor of Science in Aviation

Nov 2017 - April 2021

Completed 108 credit hours (of 123 required)

Relevant Coursework: Technical Communication, Applied Calculus, Macroeconomics, Physics, Aerodynamics

### FUNCTIONAL STUDIES

Additive Manufacturing, Quality Management Systems (QMS) & Auditing, Lean Manufacturing, Risk Management ERP Implementation, ATF Regulations, ITAR Compliance, ISO Standards, CMMC (cybersecurity), SAM Defense Contracting, Firearms Manufacturing, GD&T, Project Management, Cloud Computing, IoT, Reporting

## WORK EXPERIENCE

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### NEXT CHAPTER MANUFACTURING, INC. (3-person metal 3D printing startup)

Grand Rapids, MI

#### Operations Lead & QMS Management Representative

Feb 2023 - Present

- Oversee end-to-end DMLS/LPBF production operations; contributed to a 3x revenue increase during tenure
- Achieved ISO 13485 certification for manufacture of medical devices & implants; overseeing continued compliance through routine audits, documentation, and recordkeeping activities
- Manage self-hosted ERP system; maintaining custom development and version changes.
- Cultivate strong supplier relationships to maintain >90% on-time delivery (OTD) under tight project deadlines.

#### Additive Manufacturing Apprentice

Jul 2021 - Feb 2023

- Lead the development and documentation of ISO-compliant quality management system, laying the foundation for company certification for medical device manufacturing
- Operated and maintained an additive manufacturing facility, driving continuous improvement and ensuring stringent quality control for consistent production
- Automated key operational processes through ERP integration, significantly improving production oversight, efficiency, and traceability

### PURE-MC.US → ARENAPVP.NET

World Wide Web

#### Owner & Administrator

Jul 2012 - Mar 2016

- Built and managed a high-volume public game server, overseeing server hosting, web services, and customer payment channels, demonstrating early technical and operational leadership
- Grew traffic to 500 users/month; sold & delivered smooth transition to new brand and ownership.

## CERTIFICATION

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FAA Private Pilot Certification

April 2019

FAARemote Pilot Certification

August 2024

Currently pursuing additional certifications in Cybersecurity and Project Management

Current

## ADDITIONAL

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**Technical Skills:** Odoo ERP, Process Automation, API Integration, Python Scripting, Git, Active Directory

**Hardware Skills:** 3D Printing (DMLS, SLA, FDM), Wire EDM, Surface Finishing, Assembly & Testing