

MAXWELL DIFAZIO

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EXPERIENCE

WALMART

Bentonville, AR

Product Manager

2022 - Present

- Tracked development, testing, and validation progress on-site to help deploy the first ever Walmart Automated Pickup and Delivery system (APD) at Store 100 in Bentonville
- Created, led, and reported on final integration testing for all active APD sites, working cross-functionally with Walmart Global Tech teams and leading a group of 4-6 integration engineers through the procedures
- Developed python scripts to instantly consolidate thousands of lines of APD network performance data, eliminating hundreds of hours of manual data processing
- Managed and delivered weekly program updates covering APD program performance and progress to company management
- Integrated multiple isolated data streams to provide key insights about the APD program for multiple executive teams
- Leveraged AI/LLM tools across all facets of role to further reduce data processing time and speed up reporting

TESLA

Fremont, CA

Process Engineering Intern

Spring and Summer 2021

- Identified and tracked over 500 design, manufacturing, and supply chain issues impacting general assembly for the Model S and X Plaid refresh
- Delivered weekly reports on top issues to factory and program management

GENERAL MOTORS

Toledo, OH

Industrial Engineering Intern

Summer 2020

- Studied and validated tasks and movements of offline union workers to develop standardized work
- Identified and implemented 5 line balancing proposals to optimize offline worker processes by as much as 10%
- Presented findings and proposals to plant upper management

EDUCATION

THE UNIVERSITY OF MICHIGAN

Ann Arbor, MI

- B.S.E. Industrial and Operations Engineering, Minor in Computer Science
- GPA 3.71 / 4.00, Dean's List, University Honors
- Organizations: MProduct (PM Club), Michigan Lean Consulting, Phi Delta Theta Fraternity

April 2022

PRINCETON DAY SCHOOL

Princeton, NJ

- GPA: 3.7 / 4.0, Cum Laude Society
- ACT: 36, SAT II Math: 800, SAT II Physics: 800

June 2018

PERSONAL PROJECTS

3D PRINTED LIGHTING COMPONENTS FOR CALLISTO

Bentonville, AR

Commercial Design/Improvement Project

Spring 2025

- Reverse engineered interior lighting components in FreeCad for a popular Bentonville bar, eliminating hundreds of dollars of cost of reordering custom components
- Fabricated using additive manufacturing on a Prusa MK3S printer

3D PRINTED NO-DRILL SMART DOORBELL MOUNT

Bentonville, AR

DIY/Home Improvement Project

2023 - 2024

- Created mount design to meet following requirements: able to install and uninstall and pass power through with no permanent modifications to existing structure
- Designed from scratch in FreeCAD and fabricated using additive manufacturing on a Prusa MK3S printer
- Developed multiple variants suitable for houses, apartments, and other accommodations

SKILLS AND INTERESTS

- Programming: Python, SQL, C++, HTML/CSS
 - Technical: Microsoft Office, Atlassian Jira/Confluence, Google BigQuery, SolidWorks/FreeCAD, Prusa 3D Printers
 - Professional: Technical Writing, Lean/Six Sigma (IISE Green Belt Certified), LLM Prompting
 - Creative: Adobe Creative Cloud, Final Cut Pro, Logic Pro
 - Languages: French (Intermediate Proficiency)
 - Other: Cinematic Drone Pilot, Amateur Storm Spotter
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