MAXIMILIAN **MARDANY**

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Personal Summary

Technically capable infrastructure technician with hands-on experience in CAD-based layouts, telecom and DoD field engineering, and a growing background in Python, Linux, and systems automation. Currently focused on robotics, smart systems, and technical integration work in production environments.

Technical Skills

Smart Infrastructure & CAD Tools

- AutoCAD, MicroStation: Created and updated utility, civil, and electrical layouts using field data and redlines
- GIS & Site Verification: On-site data collection, infrastructure mapping, and drawing validation against physical assets

Python & Data Foundations

- Currently completing freeCodeCamp's Scientific Computing with Python certification (in progress)
- Tools: Microsoft Excel; building skills in scripting and data analysis for infrastructure and automation applications

PLC, Sensors & Industrial Concepts

- PLC & HMI Concepts: Familiarity with Rockwell/Allen-Bradley ladder logic and HMI flows; basic understanding of factory automation
- IoT & Sensor Concepts: Interest in integrating environmental and infrastructure sensors into smart city/factory systems
- Exposure to PLCs, industrial sensors, and basic automation concepts through current training

- Understanding of power layout documentation and field infrastructure setups from telecom and DoD work

Scripting & Systems

- Linux/Bash: comfortable with CLI navigation, file ops, and Bash scripting fundamentals
- Networking: Set up routers, resolved SSID issues, supported VPN (Citrix), and managed remote access in educational and DoD environments

Documentation & Communication

- Technical Writing: Produced SOPs, redline instructions, and preventive maintenance documentation
- Software Tools: Microsoft 365, Visual Studio (intro), Git (basic), HTML/CSS/JavaScript (basic)

Field & Safety Experience

- Hardware & Tools: Experience with boom lifts, elevated platforms, and blueprint-based framing
- Field Operations: Conducted infrastructure inspections, utility verification, and outdoor fieldwork in varied conditions

Experience

CAD Operator IV   06/2024 to 04/2025
AsciS Solutions   Ft. Devens, MA

- Created and revised utility layout drawings per DoD specs using AutoCAD and MicroStation
- Conducted site verifications and documented system discrepancies for accurate system installation
- Supported infrastructure upgrades and engineering requests for precision equipment setup
- Practiced standard documentation protocols — relevant to SOPs and system baselining

CAD Technician II   10/2022 to 06/2024
Pike Telecom   Mansfield, MA

- Created construction-ready plans for telecom infrastructure, including pole placements, conduit routing, and multi-dwelling unit layouts; coordinated with utility ownership records to ensure compliance across shared assets.
- Improved standardization of layout documentation used by engineering teams
- Collaborated with engineers to resolve field-data mismatches and update technical drawings
- Supported design efforts for power distribution and underground utility systems

Jaguar/Land Rover Part Advisor   **09/2021 to 09/2022**
Baker Motor Company   **Charleston, SC**
- Greet retail clients and determine their parts and needs.
- Work with the Service Department to ensure that parts are available, billed, or ordered when needed.
- Assist with parts inventory management while keeping an accurate inventory.
- Communicate with the parts manager to keep an efficient shop, as well as to maintain orderly records of all estimates, orders, and invoices.
- Analyzed customer requirements and identified appropriate solutions to meet their needs.

Framer   **07/2019 to 08/2021**
RBBuilders   **Wakefield, MA**
- Built structural frames to blueprint specs; operated boom lift for elevated installs.
- Gained hands-on experience with mechanical systems, tools, and materials relevant to industrial and technical environments.

IT Intern   **05/2014 to 05/2015**
Westford Public Schools   **Westford, MA**
- Reimaged and deployed classroom devices; supported network/router setups
- Troubleshot overlapping SSID issues and assisted with technical infrastructure upgrades
- Gained exposure to device-level configuration and connectivity troubleshooting

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Education

Associate of Science: **Computer Science**   **Expected in 05/2027**
Quinsigamond Community College   Worcester, MA
- Coursework begins September 2025 (part-time enrollment)
- Focus: Programming, Scripting, System Integration, and Infrastructure Automation

Software Development Bootcamp   **02/2021**
Worcester State University   Worcester, MA
- Full-stack training with experience in SQL, debugging, Linux CLI, and software QA
- Created endpoints and built technical fluency in version control, port setup, and troubleshooting

High School Diploma   **05/2013**
Westford Academy   Westford, MA

Additional Experience

- *Held earlier roles in construction, retail, and hospitality that developed core skills in teamwork, adaptability, customer service, and safety. Full role details available upon request*