

DIMITRY MORVANT III

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SUMMARY

Hands-on problem solver with background spanning environmental science, laboratory work, and technical troubleshooting. Comfortable working across hardware and software—whether it's programming microcontrollers, analyzing data in Python/R, or diagnosing technical issues in virtual environments. Self-taught in areas like electronics, sensor integration, and machine learning through ongoing personal projects. Looking for opportunities to apply technical curiosity and practical skills in a role that values learning and interdisciplinary thinking.

TECHNICAL SKILLS

Programming: Python, R, SQL basics, C (for microcontrollers), HTML/CSS/JavaScript, comfortable with CLI and troubleshooting code

Systems: Linux (Ubuntu), Windows, Raspberry Pi projects, CLI proficiency, basic AWS familiarity

Electronics: Arduino/ESP32 programming, sensor hookup and testing, reading datasheets, soldering, basic circuit work

Data & Analysis: Statistical analysis in R, working with large datasets, familiar with ML model training workflows and concepts

Tools & Software: Gradio/Hugging Face deployment, Google Colab, 3D photogrammetry software, GitHub version control

Lab & Field: Environmental sampling, pH/EC/DO meters, microscopy, chain-of-custody, confined space work, calibration

Other: Technical documentation, laboratory equipment and safety, construction tools and safety

RELEVANT PROJECTS & EXPERIENCE

Personal Technical Projects | Ongoing

- Maintain quantdim.com with research articles and embedded web applications
- Built Raspberry Pi NAS and sensor projects (PM2.5 air monitor, ultrasonic detection, LED systems in C)
- Programmed Arduino/ESP32 microcontrollers for environmental monitoring experiments

- Modified PC power supplies for bench use in hobby electrochemistry projects
- Disassembled and studied electronics to understand component-level design
- Experimented with training neural network models using Python frameworks
- Regular practice with GitHub, Linux CLI, and troubleshooting experimental code from various sources

Data Technician | Compliance Envirosystems, Baton Rouge, LA | 01/2018 - 06/2019

- Reviewed CCTV footage of sewer/stormwater infrastructure using 3D photogrammetry software
- Identified and coded structural damage types based on inspection training
- Conducted flow monitoring fieldwork across southern states (equipment installation, calibration, data collection)
- Performed confined space entry (2'-25' depths) in active wastewater systems

Call Center/Data Entry | Morrison Healthcare, Lafayette, LA | 04/2023 - Present

- Coordinate dietary services for hospital patients through communication with clinical staff
- Quality control on patient dietary records and data systems
- Generate scheduled reports and maintain data integrity

Environmental Field Technician | Environmental Business Specialists, Mandeville, LA | 01/2020 - 06/2020

- Collected and tested samples from papermill wastewater systems
- Lab work including sample preparation and physical measurements (wet/dry mass)
- Maintained field equipment (boats, meters, sampling gear)

Environmental Field Technician | Professional Technical Support Services, Baton Rouge, LA | 12/2015 - 12/2016

- Operated GeoProbe drilling equipment for soil and groundwater sampling
- Field measurements using portable testing equipment (pH, conductivity, temperature, dissolved oxygen)
- Managed sample chain-of-custody and site safety protocols

Student Lab Technician | LSU Zooplankton Lab, Baton Rouge, LA | 01/2012 - 05/2014

- Microscopy work identifying and sorting planktonic species from ocean samples
- Maintained QA/QC standards for research data
- Laboratory safety procedures and equipment operation

Online Sales | Toadally Goods (eBay) | 07/2020 - 03/2023

- Resold electronics and components online
- Researched pricing and managed shipping logistics
- Maintained high seller rating through product knowledge and customer service

Army 11B Infantryman | Louisiana Army National Guard | 12/2010 - 12/2016

- Part-time service during undergraduate studies
 - Emergency response participation in Louisiana
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EDUCATION

Master of Science, Financial Planning

American College of Financial Planning | 12/2024

Data Science with R Programming Certificate

Unique System Skills LLC | 11/2022

Bachelor of Science, Environmental Management Systems

Louisiana State University | 12/2015

Additional Coursework: 320 total college credits across various topics

CERTIFICATIONS

CompTIA A+, CompTIA IT Fundamentals+, Lean Six Sigma Yellow Belt, Scrum Foundation Certificate, Google IT Support Professional Certificate, Google Data Analytics Professional Certificate, Google Cybersecurity Professional Certificate, Google Project Management Professional Certificate, Google UX/UI Design Professional Certificate, OSHA 10, BLS, NCCER Safety Technology, NCCER Construction Math, NCCER Employability Skills