




TIMOTHY LAROY

LEAD CONTROL SYSTEMS TECHNICIAN

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 <https://krombopul0s.github.io/portfolio>

TECHNICAL SKILLS

Languages:

Java, Python, C++, SQL

Machine Learning Libraries:

Scikit-learn, Tensorflow, PyTorch,
Numpy, Matplotlib, Seaborn

Frameworks:

SpringBoot, Angular, React

Platforms:

Jupyter lab/notebooks, VSCode,
IntelliJ, Docker

Technical Skills:

PLC programming/ladder logic
Support and Troubleshooting
Process Optimization
Technical Documentation
Team collaboration & leadership

Exposure to:

LangChain, SageMaker, Bedrock,
AutoGluon, Dafny

EDUCATION

M.S. APPLIED EXERCISE SCIENCE

Concordia University - Chicago
2020

B.S. SPORTS AND HEALTH SCIENCE

American Military University
2018 - 2019

B.S. COMPUTER SCIENCE

Western Governor's University
2023 - 2025

PROFESSIONAL SUMMARY

Motivated and skilled Lead Control Systems Technician with 3 years of experience in designing, implementing, and maintaining control systems for various industrial processes. Adept at troubleshooting and optimizing control systems using data analytics and software skills to ensure efficient and reliable operations. Seeking a challenging position to apply technical expertise and enhance organizational efficiency.

PROFESSIONAL EXPERIENCE

Lead Control Systems Technician (Dec 2022 - Current)

JLL/CBRE - DCA1 AR Sortable Sparrow's Point, MD

CBRE - DTW5 Sort Center Brownstown, MI

- Leads and assists in repair and maintenance of control systems on robotics, packaging, and conveyance equipment hardware and software
- Develops and implements training materials and schedules for technician staff
- Develops database tools and spreadsheets for optimization of equipment, live reporting processes, and presentations for clients and shareholders
- Utilizes data analytics to guide maintenance efforts and engineer equipment improvements
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Helicopter Crewman & Tech (Oct 2012 - Oct 2017)

United States Marine Corps

- Responsible for 40+ Marines, 4 aircraft, and multimillion dollar parts account
- Organized daily operations for squadron and oversaw the technical training of the unit leading to highest squadron readiness in all of Marine Corps
- Performed maintenance and inspections as Quality Assurance Representative, Safe-for-flight, and crew member on aircraft and equipment

PROJECTS

Credit Card Fraud Prediction | <https://deeptime.com/workspace/workspace-f68d-c7f5d537-5afd-4efc-810b-95f3c561fccc/project/e37f7d43-a76b-4252-ae6b-83c8e9cc49ce/notebook/LaRoyCapstone-cf69e1db5a68439c9de0a94b9b354c87>

- Developed and fine-tuned a random-forest-based machine learning model that achieved over 99% accuracy at detecting fraudulent transactions
- Wrapped model inside of user-friendly application that utilized a simulated banks data
- Kept false negatives to under 0.35%

Cyclic Case Study | (https://krombopul0s.github.io/portfolio/cyclic_case_study.html)

- Performed case study in R analyzing cyclist service consumer data
- Performed data cleaning and visualization
- Provided recommended customer base for targeted marketing based on service usage