

Lukasz Michalski

website

EXPERIENCE	CERN European Organization for Nuclear Research RESEARCH STUDENT Real-time physics algorithms for jet clustering, tagging, and rare event detection at the CMS experiment.	Oct 2024
	Intel MACHINE LEARNING ENGINEER INTERN Developed AI algorithms for visual corruption detection in DirectX 3D and anomaly detection in GPU driver testing.	Dec 2023 - Aug 2024
	Nokia PYTHON SOFTWARE ENGINEER WORKING STUDENT Contributed to internal tools for eNB log analysis and an in-house source code management system for SoC hardware.	Dec 2021 - Nov 2023
PUBLICATIONS	International Journal of Electronics and Telecommunications <i>Efficiency Analysis of Parallel Swarm Intelligence Using Rapid Range Search in Euclidean Space</i> , L. Michalski, A. Soltysik, M. Woda	2025
	International Conference on Dependability of Computer Systems <i>Parallel Swarm Intelligence: Efficiency Study with Fast Range Search in Euclidean Space</i> , L. Michalski, A. Soltysik, M. Woda (Oral Presentation)	2024
RESEARCH PROJECTS	PWR Racing Team RT15E AUTONOMOUS SYSTEM ENGINEER <i>Real Time Computer Vision System for Cone Detection</i>	2025
	RT14E AUTONOMOUS SYSTEM ENGINEER <i>Dense Graph Network based Path Planning Algorithm with Geometric Raceline Optimization</i>	2024
	RT13E PAH PLANNING ENGINEER <i>Path Planning Algorithms for Autonomous Formula Student Vehicle</i>	2023
EDUCATION	Masters of Science Artificial Intelligence Wroclaw University of Science and Technology, Poland	Mar 2024 - Jul 2025
	Bachelor of Computer Engineering Wroclaw University of Science and Technology, Poland	Sep 2020 - Jan 2024
CERTIFICATES	Building Real-Time Video AI Applications	NVIDIA
	Applications of AI for Anomaly Detection	NVIDIA
	Fundamentals of Accelerated Computing with CUDA Python	NVIDIA
SKILLS	C++ • CUDA • Python • PyTorch • ROS2 • Git • Linux	