



Lukas Lenktaitis



CONTACT

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 My LinkedIn
 My GitHub

PORTFOLIO WEBSITES

www.3rdEye.no - Software Engineering & Development

Software & Web Development

Expertise in full-stack development, computer vision, and automation, building scalable and intelligent applications. Strong background in TensorFlow, Keras, MATLAB, and AI-driven image processing. Skilled in WordPress, HTML, CSS, JavaScript, and React.js with React Three Fiber for interactive 3D web experiences. Ensuring high-performance and reliable solutions.

EDUCATION

Mechanical Engineering & Economics (Bachelor's Dual Degree)

Thesis: Robot & Electrical Box in CAD
 KTU, Kaunas, Lithuania
 August 2013 - July 2017

Mechanical Process Engineering and Robotics Erasmus+ (German Language)

Wismar Hochschule, Germany
 January 2015 - July 2015

Industrial Engineering & Management (Master's Degree)

Thesis: Computer Vision for Corrosion
 KTU, Kaunas, Lithuania
 September 2017 - July 2021 (on hold)

RELEVANT WORK EXPERIENCE

Computer Vision / Software Engineer

Master's Degree | Thesis | January 2019 - June 2021

- Developed a deep learning-based corrosion detection system using TensorFlow, MATLAB and Keras.
- Designed and trained a Convolutional Neural Network (CNN) model to analyze and classify corrosion in industrial structures.
- Researched and compared manual visual inspection methods with AI-driven solutions for efficiency and accuracy improvements.
- Implemented computer vision techniques for image recognition, improving defect detection in metal surfaces, ship hulls, and bridges.
- Applied machine learning algorithms, including CNN, RNN, and ReLU, for automated surface flaw analysis.
- Optimized the system for real-time defect detection, reducing inspection time and increasing cost-effectiveness in industrial maintenance.

Mechatronics / Mechanical Engineer

UAB Festo | Lithuania | Internship | January 2016 - May 2016

- Designed and developed 3D CAD robot manipulator and electrical box with Festo parts, integrating systems.
- Enhanced robotic system performance using C++ programming, with price calculations and market analysis for decision-making.

Web Developer

Freelance | Remote | January 2015 - Present

- Built websites using WordPress, Spline, HTML, CSS, and JavaScript.
- Developed interactive 3D web experiences with React Three Fiber.
- Integrated APIs and backend features for automation.

TOOLS & HARD SKILLS

- SolidWorks (CAD, FEA, Mechanical Design)
- AutoCAD (drawings, architecture design)
- Cinema 4D (3D modelling, animations)
- Python (computer vision)
- C++ (software development)
- MATLAB (object detection, simulations)
- LinkedIn Sales Navigator (sales, leads gen.)
- KeyShot (industrial animations)
- HubSpot (CRM, sales, email marketing)
- After Effects (motion design, animations)
- Photoshop (image manipulation)
- Illustrator (graphic design, illustrations)
- InDesign (page layouts, design prototypes)
- Inventor (mechanical design)
- 3Ds Max (modelling and animations)
- Excel (data management, calculations)
- Unreal Engine (simulations, animations)
- Google Analytics (data analysis, campaigns)
- Figma (web design and product design)
- Jira & Confluence (project management)
- Google Ads (campaign marketing)
- SAP (data management)

Find more of my work experience on my [LinkedIn profile](#)