

Contact

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Top Skills

Project Planning
Project Management
Strategic Planning

Languages

English (Limited Working)
German (Elementary)
Lithuanian (Native or Bilingual)
Bokmål, Norwegian (Elementary)
Russian (Limited Working)

Lukas Mackevičius

Land Surveyor, 4D/Augmented Reality Entrepreneur
Kaunas

Summary

I found myself good in learning how softwares can collaborate and modify platforms like 4D Online viewers. I also recently learned how to create interactive apps in Augmented Reality. But my skill basis still is strongest in coordination and accuracy as Land Surveyor. Though I know how to visualize and animate things in 3DSMAX Vray and export them to other platforms

Experience

Locus

Co-Founder

September 2018 - Present (3 years 9 months)

Kaunas, Kauno, Lithuania

In Locus company, I have achieved experience in road vectorization first. There was a project with a narrow delivery time of 50 kilometers in length. That has demanded lots of money and time to convert all road-mapping lidar data to vectorized, sorted into codes and properties for topographical data that was later undergoing TOPD topology and feature check.

Later I have achieved and added strong value in the Cesium environment and with little mentoring, I have happily reached BIM conversion to .b3dm language that has contained all BIM data. That was done with external javascript platforms. Reaching this point where we could visualize BIM in multiple pieces was in high demand and it has highly updated my Real Estate package vision and development state.

Later in 2021 I've got back into working and created an augmented reality app for my clients that has windows and different coating variants. Also, the same 3D models that were animated have been placed on their website. All this visualization has achieved 3D advertising purposes and a great update on 3D/4D skillset.

The last upgrade for my own talent has been the Architectural visualization skillset which is still in development and is combined out of modeling, Vray rendering, and photoshop.

Software and hardware:

Java Eclipse, BIM server, Cesium js, Bentley Context Capture,
CAD - Bentley Descartes (Microstation); Autodesk Civil 3D 18-19;
DJI drones.

Flow Oil LTD

Chief Executive Officer

March 2020 - Present (2 years 3 months)

United Kingdom

Trimatis UAB

Geodetic Engineer

March 2022 - May 2022 (3 months)

Vilnius

Main things that I have achieved in this company is Leica Captivate and Leica TS13 station. This was completely new to me and together with GS16 I've learned to establish network for photogrammetrical project. Later with DJI phantom RTK and Metashape I made models for buildings over 10k sq.m. and exported orthophotographical rasters for facades.

Achieved basic understanding of DJI Phantom RTK model, restriction managing, military area flight licensing and photogrammetrical workflow for 1cm accuracy.

GEOPARTNERIS

Geodetic Engineer

June 2021 - January 2022 (8 months)

Kaunas, Kauno, Lithuania

Construction site work with TPS;

Developing Terra Scan macros;

Reporting as-built windmill fundaments;

Geomax Zenith 60; Zoom 90;

Terratec AS

Geodetic Engineer

October 2019 - January 2021 (1 year 4 months)

Stavanger Area, Norway

In Terratec, the new owner of Matricula, I've been a versatile worker but most of the spent time was in construction sites working with Totalstation and later with SX10.

We have applied SX10 in every possible task and Trimble Business Center came along with it. Later, I found myself highly attracted to what Trimble does and identified lots of advantages against Leica's similar purpose equipment. I have also visited Tunnel work once and enjoyed scanning and staking out at once. In this particular project, I have achieved communication with construction workers and my planning in a narrow period of time. Since I was the only surveyor there I had to fulfill lots of tasks at once because there was no plan just teams moving up and down doing their job with whom I had to adjust my own schedule and reach optimal speed and quality ratio to succeed against the speed of asphalt machine. Since the Tunnel had spiral geometry it had challenges with established reference points network quality.

In the Trimble environment, I also achieved knowledge of how to measure with Base RTK, Adjust Network, Traverse, and lots of point cloud data manipulation and vectorization. Working from BIM data was common and most of the time had the advantage over 2D plans.

The latest skillset upgrade was becoming a 25+ kg Drone pilot, had local CAA theory exams and EURO UAS examination. Since I was piloting little drones from before it was not a surprise but I had a deeper investigation into how Drone Harmony was successfully useful in the Mountain area because of altitude to surface flight.

Matricula AS

Geodetic Engineer

April 2019 - October 2019 (7 months)

Stavanger Area, Norway

In this particular company I am continuously gaining accuracy experience with total station. Establishing high accuracy reference point system and stakeing out axis for huge constructions sites is common. Together with that fundament control process with documentation for every new building on daily basis. When 3D data is required we deliver it with 3D scanner through Trimble RealWorks, whether it's just a pointcloud or BIM production. Volume or any kind of other calculation if neccesary. And most important I always communicate with client directly so it helped with language adaptation much faster.

Hardware and software:

Gemini Terreng 14, Trimble Realworks 10, Bentley Context Capture and Descartes, Autodesk ReCap.

Trimble s3\s6 med TSC3 på felt.

Lithuanian National Defence Volunteer Forces Kaunas Division 204
Company

Junior private soldier

April 2017 - March 2019 (2 years)

Kaunas

AK-4

G36

Nuotoliniai tyrimai LLC

Company Owner

November 2017 - December 2018 (1 year 2 months)

Vilnius

Photogrammetrical work with drone;

Cinematography;

Real Estate photography for brokers;

Pointcloud vectorization and drawing production;

Landsurveyor tasks like stake out and measure;

Software and hardware:

Photogrammetrical platform - Bentley Context Capture;

CAD - Autodesk Civil 3D og Bentley Descartes;

Drone - DJI Inspire 1;

Inžinerinis Projektavimas UAB

Land Surveyor

June 2017 - August 2018 (1 year 3 months)

Vilnius, Vilniaus, Lithuania

GNSS/Total station land surveying for topographical plans mostly. Drone mapping with Pix4D and Bentley Context Capture

UAB Ramile

Geodetic Surveyor Assistant

June 2016 - July 2017 (1 year 2 months)

Vilnius

Cadastre and land surveyor job standart tasks. Real estate ownership documentation. Real estate development projects.

OXY GYM

Salesman

August 2015 - December 2015 (5 months)

Porsmyrveien 3 4314 Sandnes

Convincing people to join amazing fighting academy. Managing: posters and brochures, facebook adds.

Matricula AS

Oppmålings Ingeniør

July 2015 - July 2015 (1 month)

Strandgata 5 4307 Sandnes

During my praxis and summer job period which followed afterwards I have experienced: making topographical plans, setting out building axes/points, real estate boundary points and points for aerophotographical projects. I have also performed building's fundament position control, filled out report's documentation forms in direct work with municipalities. I've got in touch with Norkart/Gemini software with GIS access into national register, client relationship management with Super Office and daily reports through Visma Timer.

In a field work I was equipped with Trimble TSC3 controller and S3 Station with R13 GNSS Rover. I've got used to equipment and managed to complete tasks accurately and in a short time.

Bärens-Kramer Bedachungs GmbH

Roofer

September 2012 - November 2013 (1 year 3 months)

During work in Bärens-Kramer Bedachungs I have faced physically heavy tasks but later on got in touch with understanding of constructions and working with details. Mostly worked with Tile roofs, which included both granite and clay materials, but also made lots of metal binding. Got experience with controlling 25 meters high kran and driving minibusses.

Reza Schafizadeh Transport GmbH

Courier

October 2010 - March 2011 (6 months)

Seasonal work at delivery service in a company under DHL post.

+Approximately 1000 hours of raw experience driving <3.5 ton fully loaded minibus in winter.

+Route planning

+Work under pressure 10+ hours / day

Education

Kaunas Forestry and Environmental Engineering University of Applied Sciences

Bachelor's Degree, General Engineering, Cadastral Measurements and Valuation of Real Estate, Real Estate Cadastre. · (2010 - 2015)

Kauno Veršvų vidurinė mokykla

Abitur, Physics, Math and Lithuanian language · (1998 - 2010)