



Leandro Kieliger

MSc in Data Science, Minor in Management and Entrepreneurship

Passionate engineer with experience in Big Data, supply chain management and business intelligence. Inquisitive and dedicated, loves taking on new challenges.

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Previous work experience

07/2018 - 09/2018 (Summer internship)

Ambrosus Innovation Lab

Blockchain-powered IoT network. Joined as mobile software and UX developer. Successfully delivered under tight schedule a critical PoC which resulted in 4 new project opportunities for the company. Was then in charge of IT solutions architecture design for supply chain integration.

Projects

09/2017 - Today

EPFL Rocket Team, "Matterhorn"

Implementation (C++, OpenGL) of a ground station system for monitoring live rocket telemetry. Team was awarded the technical excellence prize in the 2018 Intercollegiate Rocket Engineering Competition 10'000ft COTS propulsion category - New Mexico, US.

09/2017 - 05/2018

Clash of Faculties

GPS-enabled mobile strategy game developed for a one-week event on campus. More than 500 unique registrations reached and ranked #1 in trending strategy games in Switzerland on Android. Made with Unity and Google's Firebase service.

12/2017

Machine Learning for Road Segmentation

Design and training of a convolutional neural network for segmenting satellite images of urban areas; separation of roads from their surroundings.

11/2017

Product Characterization from Reviews

Data processing pipeline extracting product properties such as build quality, part features and customer satisfaction from a set of reviews. Proof of concept based on a dataset of ~1.7M electronic product reviews from Amazon.

Further documentation regarding projects is available on my website.

Skills

Data Science

Statistics, pattern and trend recognition. Data mining, wrangling and visualization. Machine learning, neural networks. Streaming / online algorithms.

Software Development

Java (5+ years), Python (3+ years) C, C++, Scala, Spark, OpenGL, GLSL and Unity. Agile methods (Scrum).

Business

Operations research, business intelligence, risk analysis, supply chain and project management.

Social

Leadership, teamwork, communication, critical thinking.

Education

EPFL 09/2017 - 06/2019 (Expected)

Master's studies in Data Science with a Minor in management and entrepreneurship.

BMSTU 07/2017

SpaceDTP International Workshop Moscow, Russia.

EPFL 09/2014 - 07/2017

Bachelor's degree in Communication Systems with an overall average grade of 5,61 out of 6.

Personal Interests

DIY projects, blockchain technology, road trips, sailing and following space exploration breakthroughs.

Languages

French (native)	
English (C1)	
German (B2)	
Portuguese	