

Liudvikas Akelis

Curriculum Vitae

About me

A chemist by training, I was fascinated by computers from an early age. After becoming interested in statistics, I pivoted my career to data science in 2017. Since then, I have worked in many data areas - from determining data requirements to data engineering to creating decisions from that data. I enjoy working in teams, pushing into git, cycling and bouldering.

Work experience

Apr 2024 - **Data Engineer**, *NASDAQ, Vilnius*

current Maintain a small internal data warehouse for the Internal Audit team.

- Researched (benchmarked) and initiated a migration to Python. This involved both re-implementing some functions in Python and interoperating with functions whose migration was postponed.
- Introduced unit testing. Especially during a migration, it's very useful to have assurance that data transformations are migrated faithfully.
- Onboard new data sources, debug old ones.

May 2020 - **Decision Scientist**, *Vinted, Vilnius*

Nov 2023 Helped make decisions more data-based in full-stack development teams

- Proposed, defined and implemented various metrics for the team. OKRs at the top level, but also their decomposition into drivers.
- Contributed to exposing our data to the rest of the company by developing data models, developing nightly jobs to calculate them, and finally expose this data through **Looker**.
- Organized and overlooked AB experiments on both internal and customer-facing features: proposed and defined measures and how to measure them, calculated sample sizes before the experiments and result statistical significance after.

Nov 2017 - **Data analyst**, *UAB Scorify, Vilnius*

May 2020 A position that expanded as I spent more time in the company and got to know the infrastructure better.

- Started with tasks in data extraction, such as imports from raw sources and web scraping.
- Moved on to building predictive models for projects, working mostly with **Tensorflow** and **xgboost** - respectively convolutional neural networks and random forests.
- On the side, worked to revive and took on administrating one of our older Linux servers.
- Developed a few internal webapps, using the amazing **Shiny** framework, which we used to spread our data insights within the company.

2017-2018 **ETL/web scraping**, *upwork.com, freelancing platform*

Freelanced on the Upwork platform.

Mar 2016 - **Chemical analyst**, *Smithers Rapra, Shrewsbury, UK*

Jan 2017 Prepped and carried out analyses of pharmaceutical polymers for leaching.

Vilnius, Lithuania

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<https://github.com/liudvikasakelis>

Technical skills

- For data analysis and modelling, I absolutely love **R** with 5+ years of experience. Similar amount of **Python**.
- 5+ years of SQL usage. For complex queries, I however prefer frameworks (**ibis**, **dbplyr**)
- 3 years of **Scala Spark**
- **git**
- Technologies I don't consider my main strengths:
 - **guile scheme** and **Emacs Lisp**
 - **Linux** and **bash**
 - **C**
 - Basic knowledge of how Web works (**HTML**, vanilla **JS**, **CSS**).
 - **Docker** containers and other **virtualization** stack.

General skills

- Native Lithuanian
- Fluent English
- Very basic French, German
- Drivers License

Education

2011-2015 **Vilnius University**, *B.Sc. Chemistry*, Vilnius, Lithuania

2016 **Coursera**, *3 month course in data science*

3 courses, 1 month each, covering basics of R, basic data analysis and visualisations.

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