DRAGOȘ MOLDOVAN-GRÜNFELD

A passionate R developer with over 10 years' experience in applying advanced analytical techniques to commercial and regulatory challenges. An active member of the R open source community with contributions to notable packages. An RStudio Certified Tidyverse Trainer, passionate about mentoring and assisting others on their R learning journey.

💼 EXPERIENCE

Present | 2022

Senior R Developer
NPL Markets — 📍 Remote

- Productionised existing codebase and developed tools for analysts / data scientists, such as: a {pagedown} reporting template, a {ggplot2} theme, an internal (CRAN-like) package repository etc.
- Added new features to and improved functionality of existing R and Shiny projects (NPL Markets Analytics, Valuation and Marketplace platform).
- Build an internal repository for R packages with {drat} and GitHub pages
- Introduced DevOps practices with GitHub Actions (R CMD checks, automatic deployment to internal package repository, linting, tagging and versioning etc)
- Improved code review processes and introduced software development best practices (code modularisation, unit testing, snapshot testing, etc).
- Tools used: R, RStudio, VSCode, Shiny, GitHub (including Actions), HTML, CSS, SQL

2022 | 2021

Open Source Developer Apprentice
Voltron Data Labs — 📍 Freelance - Remote

- Software development and maintenance tasks for the Apache Arrow open source software project.
- Scoped and led the implementation of the date-time functionality in the {arrow} R package.
- Reviewed pull requests submitted by other contributors.
- Triaged and solved bugs (both user-reported and picked-up by the Arrow continuous integration systems).
- Improved unit test coverage and continuous integration workflows.
- Created and improved user and developer facing documentation.
- Tools used: Jira, GitHub, R, R6 and S3 object-oriented systems, C++, etc.

2021

Senior Data Scientist
Typeform — 📍 Remote

- Lead data scientist for VideoAsk, a new Typeform product, where I established the data science function.
- Developed a 1-year road map for better leveraging data to shape product and business strategies.
- Established data collection, tracking, data pipelines and AB testing frameworks.
- Prepared the first data-led financial annual forecast for 2022.
- Provided analytical support for consumer, growth, marketing and product teams.
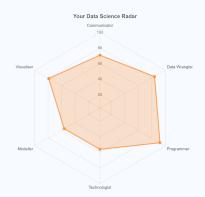- Tools used: R, RStudio, GitHub, SQL, DataBricks, Amplitude, Full Story.

2021 | 2020

Senior Data Scientist
The LEGO Group — 📍 London, UK

- Helped LEGO understand how its marketing expenditure contributes to consumer sales and brand strength.
- Built Bayesian market mix models to explain and attribute brand strength.
- Improved workflows, data and codebase quality by introducing software development best practices.
- Mentored and coached team in package building, test-driven development, production-level code etc.
- Wrote several internal packages (e.g. {ggplot2} theme, internal utilities, etc).
- Tools used: R, RStudio Server, GitLab, Shiny.

Your Data Science Radar

CONTACT

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TECHNICAL SKILLS

- R programming
- Unit testing
- Debugging
- R package building
- Data wrangling
- Shiny
- SQL
- git
- CI/CD
- Python
- bash
- cron

OPEN SOURCE CONTRIBUTIONS

R CRAN packages (creator / maintainer)

　{rocnp}

R CRAN packages (author):

　{arrow}

R packages contributions:

　{usethis}, {lintr}, {devtools}, {withr}

Made with the **pagedown** *R package.*
Last updated on 2023-02-26.

Data Science Consultant
Mango Solutions ⚲ London, UK

- Enabled companies achieve business goals from their data.
- Built a modularised, packaged Shiny app and an accompanying R package for exploring clinical trials data (covering graphs and tables).
- Built data-cleaning and wrangling pipelines flowing into machine learning processes.
- Developed client R packages to handle tasks, such as: reporting, data ingestion, data cleaning, data wrangling, feature engineering and predictive modelling.
- Predicted propensity to churn for a client in the leisure industry using gradient boosted trees.
- Forecasted sales of several drug-country combinations for a pharmaceutical company using various time series and machine learning models.
- Developed and improved R training materials.
- Tested multiple R packages using the {testthat} testing framework as part of ValidR.
- Tools used: R, RStudio, GitLab, GitHub, Shiny,

2020 | 2018

Data Scientist/ Statistician
Department for Business, Energy and Industrial Strategy ⚲ London, UK

- Improved the quality of UK business data feeding into key policy areas.
- Linked education and revenue data for the first time in the UK to chart the transition of graduates into the workplace.
- Automated the production of official statistical publications by moving from SPSS, Excel, and Word to SQL, R and RMarkdown.
- Built a geospatial machine learning model using a density-based spatial clustering algorithm to inform the UK industrial strategy.
- Created and delivered introductory-level training courses in R and QGIS.

2017 | 2016

Assistant Manager
Cycle Surgery ⚲ London, UK

- Ran one of the biggest cycling shops in London with 20+ staff. Increased year-on-year turnover by 20 percent.

2015 | 2014

Analyst
Romanian Financial Supervisory Authority ⚲ Bucharest, RO

- Represented the Commission and Romania in technical working groups at EU and national level.
- Gathered, interpreted, analysed data and developed solutions to policy challenges.
- Produced and delivered research insights into relevant areas (e.g carbon trading, investor protection, etc.).

2013 | 2007

Programme Manager
Center for Protected Areas and Sustainable Development - Bihor ⚲ Oradea, RO

- Coordinated the most complex programme of the NGO: the Apuseni Experience ecotourism programme. Designed, developed and implemented its first business plan.

2005 | 2004

🎓 EDUCATION

MSc Environmental Sciences and Policy
Central European University ⚲ Budapest, HU

- Outstanding Academic Achievement Award (highest GPA)

2006 | 2005

BA Sociology with Statistics
Babes-Bolyai University ⚲ Cluj-Napoca, RO

2003 | 1999