Luigi Maglanoc

Data "shepard"

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Software skills

R

Python, Git(hub), Linux

FastAPI

containers (podman, docker)

databases (sqlite, postgres)

Frontend (React.js)

container orchestration (OKD, helm)

NGINX, apache HTTP server

Github Actions

Languages

English

Norwegian

German

About me

Luigi Maglanoc is a data “shepard” at the IT Department of University of Oslo. Background in psychology and clinical neuroimaging. Currently interested in anything to do with Python, especially RESTful APIs (FastAPI). Wanting to learn more devops, such as containers (docker/podman), container orchestration (kubernetes/openshift), and CI/CD (github actions). Trying to learn som simple frontend with React.js.

Work experience

2020 - Senior Engineer — University of Oslo

Building end-to-end data pipelines in R and python. Deploying applications (e.g. R shiny apps) on UiO IT infrastructure (servers, OKD). Advising and assisting UiO (affiliated) researchers on data management, processing and analyses, as well as use of statistical software (mainly R)

2019 Senior Advisor — Norwegian Tax Administration

Created statistical reports in various projects. Wrote SQL code to extract data from inhouse data warehouses to be used in fraud detection. Started creating an unsupervised model (topic modelling) to extract themes that may better describe different categories of working industries.

2015 - 2019 PhD (Research fellow), Clinical neuroscience — University of Oslo

My doctoral research mainly revolved around elucidating depression heterogeneity and identifying biomarkers using advanced brain imaging methods, clinical and genetic data, working with international researchers. In later projects, I used machine learning applications in big data, as well as a wide range of multivariate statistics. I have also been involved in writing and data analysis of several external projects. In addition, I taught introduction courses in research methods at bachelor and master level.

2011 - 2015 Research assistant — Several institutions in Norway and England

Education

2011 - 2013 MSc, Cognitive Neuroscience — University of Oslo

Master’s thesis title: Brain networks in bipolar disorder II: A resting-state fMRI study

2008 - 2011 BSc, Psychology — University of Oslo

Major in cognitive psychology, minor in pedagogical science

Volunteer work

2020 Activity leader for children and teenagers, AIESEC
2010 Activity leader for teenagers, Save the Children