



Zurich, 25 January 2023

Research assistant in computer science (20-40%)

Description of UZH unit

The Department of Political Science at the University of Zurich (<http://www.ipz.uzh.ch>) invites applications for a post-doctoral research position in the research group of Professor Fabrizio Gilardi (<https://fabriziogilardi.org/>). The research assistant will be part of Fabrizio Gilardi's ERC-funded research project "Problem Definition in the Digital Democracy" (PRODIGI) (<https://fabriziogilardi.org/PRODIGI/>) as well as to the Digital Democracy Lab (<http://digdemlab.io/>).

Your responsibilities

- Provide technical and computational support for the Digital Democracy Lab research infrastructure (<https://digdemlab.io/infrastructure/index.html>), including maintaining data pipelines in Python and R using SQL and Elastic databases.
- Support the implementation of various NLP tasks and text classification algorithms, as well as preliminary data analysis from various sources.

Your profile

- Enrolled in a computer science or similar degree program (MA) at the University of Zurich or ETH.
- Excellent working knowledge of Python (pyTorch, Keras, scikit, numpy, pandas, etc.).
- Good working knowledge server management (bash, slurm, etc.).
- Good oral communication skills in English.
- High degree of self-motivation and excellent work ethics.
- Preferably some knowledge of R for data analysis.

What we offer

- Duration of employment: March 2023 - December 2023. An extension may be possible
- Salary: about 1240 Fr./month (20%), 1860 Fr./month (30%), 2480 Fr./month (40%)
- Working with an international team of researchers doing cutting-edge research on digital technology and politics
- Gaining research experience
- Gaining substantive knowledge on digital technology and politics
- Workspace at the Department of Political Science, Affolternstrasse 56, 8050 Zurich.



Place of work

- Zurich.

Further information

- Further inquiries can be directed to Maël Kubli (kubli@ipz.uzh.ch).
- Applications should include a letter of interest, proof of academic performance and, if available, a link to your GitHub account as well as a 1-page description of one of the applicant's projects on GitHub.
- Please send your application electronically as one single pdf-file to the Maël Kubli (kubli@ipz.uzh.ch).
- Review of applications will begin on February 15, 2023. Applications will be accepted until the position is filled.