Patrick von Glehn

DATA SCIENTIST

PHD IN CHEMISTRY

Blog pvonglehn.github.io

patrickvonglehn

pvonglehn

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LANGUAGES

English	Native speaker CELTA qualified teacher
Spanish	Advanced C1 Cervantes Institute certificate
German	Advanced C1 Goethe Institute certificate
French	Intermediate B2
Mandarin	Basic A2

PROFILE

I'm interested in a broad range of data science applications to basic science, societal challenges and natural language processing and have a strong desire to form part of a mission driven community. I'm comfortable taking on leadership roles as I did when working as tour manager for groups of up to 40 people and as president of the University of Bristol JazzFunkSoul society, with over 300 members and a sizeable budget.

EXPERIENCE

DATA SCIENTIST
SPRIM HEALTHCARE, MADRID | AUG 2019 - FEB 2020
- Research project involving NLP of medical texts
- Clustering, supervised learning and network analysis
- Web application development and cloud deployment

DATA ANALYST
KERNEL ANALYTICS, MADRID | DEC 2018 - MAY 2019
- Applied Bayesian forecasting models (facebook prophet) to predict congestion in 4G cellular networks
- Exploratory data analysis and machine learning

TOUR MANAGER
ACIS EUROPE | MAR 2015 - JUL 2019
- Managed week long educational tours with high school students
- Worked in 18 countries and in English, French, German and Spanish
- Company expert on science tours

ENGLISH TEACHER
VOLKSHOCHSCHULE, BERLIN | MAR 2015 - JUN 2017

TECHNICAL SKILLS

- Python for data science
    - Analysis and visualization (pandas, numpy, scipy, matplotlib)
    - Machine Learning (scikit-learn, xgboost, pytorch)
    - NLP (gensim, spacy, ntlk)
- SQL (MySQL, PostgreSQL, HUE, Impala)
- Basic web development (html, css, javascript, django, flask)
- General data science tools
    - Git, bash, vscode, jupyter notebooks, virtualenv, AWS
- Scientific computing (Fortran, HPC clusters, GPUs)

EDUCATION

STATISTICS AND DATA SCIENCE MICROMASTERS
MIT ON EDX | FEB 2020 - CURRENT

PHD COMPUTATIONAL CHEMISTRY
UNIVERSITY OF BRISTOL | 2010 - 2015
- Title: "Modelling the reactivity of glutamate mutase and heme dioxygenase enzymes"
- Peer review published author
- Gave seminars in Stanford, Michigan, Bangkok and more

BSC CHEMISTRY
UNIVERSITY OF BRISTOL | 2007 - 2010
- First class with honours
- Prize winner - best theoretical chemistry dissertation

A LEVELS
CHEMISTRY (A), MATHS (A), FRENCH (A)