



Manuel Capel

Résumé

Education

- 2000–2002 **Classes préparatoires**, *Preparatory classes to engineer schools*, Lyon, FR.
- 2002–2005 **ENSAI**, *French National School of Statistics and Information Analysis*, Rennes, FR.
- 2009–2010 **University Paris VI**, *Bachelor of Mathematics by distance learning*, Paris, FR.

Experience

- apr. 2019–now **CTO - cofounder**, *Parcoor*, Zurich, CH / Lyon, FR.
Implementing simple, secured and user-friendly AI solutions.
- Building UI, ML models, pipelines for cloud deployed customer solutions
 - Business development, requirements for creating added value to customers
 - Building time series model for forecasting company revenues
 - Building interactive dashboard for visualizing and analyzing revenues
- aug. 2017–feb. 2019 **Data Scientist**, *Ringier AG*, Zurich, CH.
Solving use cases and building production pipelines.
- Building the whole data pipeline for disambiguating users among different platforms, Developing model for gender prediction, for bot detection
 - Developing recommender system for online articles
 - Developing models for comment filtering (NLP)
 - Visualisation and prediction of media content virality
- jun. 2017–jul. 2017 **Data Engineer**, *Everycs*, London, UK.
Extraction, transformation and loading of product data
- apr. 2017–may. 2017 **Data Analyst**, *AccessWatch*, Berlin, DE.
Developing machine learning methods for bot detection
- feb. 2017–mar. 2016 **Data Preparation Expert**, *Wealthport*, Zurich, CH.
Processing data transformation pipeline
- oct 2013–oct 2016 **Scientific Assistant**, *Zurich University for Applied Sciences*, Winterthur, CH.
Worked on several projects related to data analysis and process design.
- Developing ageing models for water pipes, for maintenance optimization of vessel hulls
 - Project definition with customers and team, Redaction of scientific reports
- mar. 2013–aug. 2013 **Java Developer**, *Nextevolution*, Berlin, DE.
Developed on templates and authentication system for a Document Management System
- dec. 2011–feb. 2013 **Developer**, *Medizinischer Fakultätentag*, Berlin, DE.
Full-stack development.
- Conception, modelization and development of a web application to collect and evaluate data from German medicine faculties
 - User training and assistance

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🌐 <https://mancap314.github.io/> • **in** [manuel-capel-9a9b40134](#)

🐙 [mancap314](#)

oct. 2008–sep. 2011 **Main Officer**, *Federal Statistical Office of Germany*, Wiesbaden, DE.

Assisting project management and development.

- Guidance for the migration of an Content Management System
- Implementation of parts of the project

apr. 2005–sep. 2008 **Developer-Analyst**, *INSEE*, Aix-en-Provence, FR.

Assisting project management and development.

- Assisting project management and development
- Implementation of parts of the project, User training and assistance
- Referent for web accessibility

Languages

- English: Good proficiency
- German: Fluent
- French: Native
- Spanish: Intermediate proficiency

Machine Learning / Deep Learning skills

Data Processing: Extraction, processing, formatting, treatment of missing values etc. from data in various formats

Modelling: Classification, Regression, Ensembling, measuring performance, especially with Python libraries like sklearn and scipy

Deep Learning: Keras, Tensorflow, PyTorch on different architectures, e.g. CNN or Recurrent

Visualisation: matplotlib, seaborn, pyplot, plotly, ggplot (R)

Computer skills

Programming: Python (advanced), R, Java (intermediate), C (beginner)

(no)SQL: MySQL, PostgreSQL, MongoDB. Experienced in querying very large tables

Cloud Computing: (AWS) Redshift, Aurora, EC2, lambda, authentication etc., Google Cloud, Docker, Kybernetes

Miscellaneous

- Webapp retrieving media trends from Google Trends and Twitter: <https://trend-getter.herokuapp.com/>.
- Paper "Improving Supervised Classification with Density Ratio Encoding. Application to Human vs. Robot Classification", 2017.
- Python library *paracoord* for visualizing multi-dimensional data.

Interests

Table Tennis, Chess, Traveling

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