

Wecker Adam Data Scientist

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You will prefer my [webCV](#):

adamwecker.fr



PROFESSIONAL EXPERIENCE

TOTAL ENERGIES

Denmark

Data Scientist, Digital and Innovation team

2022/01-Present

Data scientist in a digital lab, awarded several Innovation Awards, specialized on prescriptive digital solutions.

- Building, improving, and maintaining **Google AI OR-tools** models (Operation Research: optimization of vehicle routing, optimization of scheduling of thousands of maintenance tasks). Runs on HPC.
- MVP of scheduling software in collaboration with Danish Technical University.
- Data augmentation with XGB model to complete a dataset about time spent on offshore maintenance works.
- Building an **OCR** web app on **Azure** for safety data management + creating and managing PostgreSQL DB.
- Building from **scratch a web app**, Back end(flask)/Front end (dash/react), GitHub action pipeline to boost offshore activities productivity, features: **NLP**-assisted research in a massive DB, interactive data visualization.
- Adding user-tracking on several tools + BI data analysis.

ASTEK

Paris, France

Data Scientist Internship

2021 (6 months)

- Find a solution to visualize and map data about HR process and turnover

NERYTEC

IT internship

2020 (3 months)

- Creation and management of the database. Creation of a website and SQL database

EDUCATION

ESME (ENGINEERING SCHOOL)

Paris, France

Master of Engineering, Major in Computer Science and Artificial Intelligence, 5 years

2016-2021

KYUNGPOOK NATIONAL UNIVERSITY

Daegu, South Korea

INTERNATIONAL SEMESTER IN A SOUTH KOREA UNIVERSITY

2019-2019

SKILLS

- **Languages:** Python, C, C++, C#, JavaScript/React
- **IT Skills:** Data Science, OR-tools, AWS, Azure, GCP, DevOps/Terraform/Git/Git Action, API flask/fastAPI, Kubernetes/Docker, SLQ, OpenCV, and [more](#).
- **Artificial Intelligence and Data Science:** Scikit-learn, NLP (BERT, huggingface, SIRE), Tensorflow/Keras/PyTorch, Machine learning (XGB, RdForest...), Deep Learning : CNN, GAN, RNN, LLM (GPT2-3, llama2, Watson x) , Reinforcement Learning, state-of-the-art algorithm

SOFT SKILL

- **Languages:** French, English
- **Tools:** Jira, GitHub project
- Method agile
- Teamwork
- Communicate productively with stakeholder

PROJECT

- 2023: -Building my own LLM inspired by GPT3 + Q&A via llama 2
- 2022: -Deploying web app on Azure -Sentiment analysis on English and Japanese tweet
- -Open-source contribution: **OR-tools** from Google, pySDL, dash
- 2021: -Coding my Cryptocurrency bot trader based on RL
- 2020: -SDWAN, reinforcement learning, optimization of a stream on an ONOS net.
- -Creating my website as a webCV, highlighting my profile and projects.
- -Logs analysis to train a **machine learning** model to prevent cyber-attacks.
- My **other** projects are presented on my [website](#) or [Github](#)

CERTIFICATION AND HACKATHON

- AZ900
- [Huawei AI](#)
- [CodinGame AI](#)
- Hackathon:
 - l'Oreal X ESME: 3rd / 10
 - CodinGame AI 2023: 200th on 5000

HOBBIES

Science: Space, IT, Robotics, Physics.

Art: Drawings, painting.

Sport: Work out, Rugby, Martial art.

Culture: Japanese cultures, South Korean cultures.