

Pierre Ouchene

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Experience

HelloFresh, Data Scientist

- Forecast demand for Nordic operations (Denmark, Sweden, Norway)
- Automate data processing and analysis for production, procurement and logistics
- **Key result:** improved forecast accuracy against previous year every quarter

Keywords: Data science, Python, Databricks, Spark, Apache Airflow, Docker

Copenhagen, Denmark

Jan. 2023 - Present

1 year 6 months

Technical University of Denmark, Research assistant

- Developed a behaviour anomaly detection algorithm
- Applied Kalman filtering to distance estimation with low energy sensors

Keywords: Python, Spark, Statistics, Mathematics, Discrete time series

Kongens Lyngby, Denmark

Sep. 2021 - Dec. 2022

1 year 4 months

SaturdaysAI Copenhagen, Volunteering mentor

- Assisted and mentored bootcamp participants
- Hosted a lecture on data standardization and time series modelling

Keywords: Python, Data processing, Mentoring, Time series analysis

Copenhagen, Denmark

Feb. 2022 - Apr. 2022

3 months

Technical University of Denmark, Master's thesis

- Modelled evolution of mosquito population, survival rate and infection risk
- Reconstructed missing data based on weather conditions

Keywords: R, Data modelling, Time series analysis

Kongens Lyngby, Denmark

Feb. 2021 - Aug. 2021

7 months

IKNOVA, Developer and prototyper

- Designed an industrial knowledge measure model, prototyped in Python
- Implemented as a web application plugin in Kotlin

Keywords: Python, Kotlin, Data processing, Knowledge Lifecycle Management

Brignais, France

Aug. 2019 - Aug. 2021

2 year 1 month

Education

Technical University of Denmark

Master of Science in Mathematical Modelling and Computation

- **Focus areas:** Financial engineering, Operations research, Time series Analysis

Kongens Lyngby, Denmark

Sep. 2019 - Aug. 2021

École Centrale de Lyon

General engineering degree (eq. Master's Degree)

- **Focus areas:** Statistics, Probability, Econometrics, Functional Analysis

Écully, France

Sep. 2017 - Aug. 2021

Technologies and skills

Proficient: Python, SQL, Statistics, Time series Analysis

Familiar: R, Docker, Spark, Hypothesis testing, Databricks, Airflow

Novice: Go, Kotlin, Matlab, Github Automation, LaTeX

Languages

Native: French

Fluent: English

Beginner: Danish, Spanish