

Sebastian Morel

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SUMMARY

Recent graduate in Industrial Engineering; Passionate about technology's role in modern organizations; Ambitious and result-oriented, and ready to apply my data science and logistical skills in a professional environment.

EDUCATION

M.Sc. in Industrial Engineering and Management

Minor in Logistics • Luleå University of Technology • Luleå, Sweden

- Master Thesis: [Alternative logistic routes and their aggregate effect on the use of infrastructure](#)

EXPERIENCE

Data Analyst

The Swedish Transport Administration

June 2022 – June 2023, Gothenburg, Sweden

- Analyzed the impact of alternative logistic routes on infrastructure use in Samgods, developing a methodology to calibrate route distributions for improved alignment with real-world data.
- Automated the data visualization pipeline by developing an end-to-end ETL process using PTV Vissim's API.
- Leveraged SQL and PowerQuery for large-scale data manipulation and created dynamic Power BI dashboards to visualize freight flows.

Python Supervisor

Luleå University of Technology

August 2021 – April 2022, Luleå, Sweden

- Enabled effective mentorship for students' Python coursework.
- Conducted consultations via both Zoom and in-person sessions, enhancing accessibility for all students.
- Graded assignments and provided feedback, improving overall student performance and competency in Python.

Manager

McDonald's

October 2016 – October 2017, Kungälv, Sweden

- Coordinated team efforts in a fast-paced setting, resulting in faster service delivery and operational enhancements.
- Achieved rapid promotion to manager by demonstrating exceptional efficiency and strong leadership capabilities.
- Fostered a passion for leading teams efficiently, prompting a pursuit of an industrial management degree.

INVOLVEMENT

Vice Chairman

Luleå, Sweden • European Students of Industrial Engineering and Management • August 2018 – August 2020

- Planned and arranged numerous events both on a local and international scale.
- Executed targeted outreach programs, resulting in a 20% increase in student engagement within one semester.
- Participated in leadership workshops through: Council Meeting 2019, Tampere, Finland.

PROJECTS

Developer

Statziki • statziki.com/ • June 2021 – August 2021

- Developed user-friendly statistical tools, assisting over 10,000 visitors.
- Added explanatory notes to aid users in grasping the functionalities of the tools, improving overall usability and learning.
- Integrated complex functionalities using Python scripts, facilitating seamless operation.

SKILLS

Logistics: Supply Chain, Forecasting, Big data analytics.

Data analysis: Python, Pandas, SQL, PowerBI, Matplotlib, R.

Microsoft Office: Excel, comfortable with pivot tables and VBA programming. Word.

Languages: French native proficiency; Reached Advanced level in all categories of TOEFL iBT test for English proficiency.

NOTABLE COURSEWORK

Industrial Logistics, Advanced Course

Luleå University of Technology • 2023 • Forecasting, multi-objective optimization, Bilevel optimization, GIS, ERP, CRM, Point of Sale suits

Data Science Programming

Luleå University of Technology • 2021 • Supervised Models, Python, UML Diagrams, Data Balancing

- Utilized prediction models to develop a tool that predicts company bankruptcies based on financial key figures. [Full Report](#)