Christian D. **Glissov**

M.Sc.Eng. Mathematical Modelling and Computation

📞 (+45) 2146 4388 | ✉ cdglissov@gmail.com | 🔗 cdglissov.github.io | CDGlissov | christian-glissov | 🏠 Copenhagen

</> Summary

With a strong passion for machine learning and statistical modelling, using my skills to make a difference is what I love the most. I bring expertise from my role as a data consultant and machine learning specialist where I have honed my abilities to solve intricate business problems, embrace end-to-end modelling using MLOps principles, and develop high-performing well-documented modular code.

🖥 Skills

- **Domain Knowledge:**
  Deep learning especially in the context of generative and spatiotemporal modelling, statistical inference and modelling, machine learning, data and model pipelines, ETL, hypothesis testing, time series analysis, SQL query optimization, MLOps, and object-oriented programming.

- **Languages:**
  Danish, English, Italian, and German.

- **Programming Experience:**
  Python, Bash, R, T-SQL, C++, C, MATLAB, Java, LaTeX, JavaScript, HTML, CSS.

- **Applications and platforms:**
  Git, MLflow, Docker, Databricks, MSSQL, Informatica, NPM, Webpack, VSCode

- **Frameworks and libraries:**
  PyTorch, Pyro, Scikit-learn, NLTK, Gensim, Polars, Statsmodels, SciPy, Pandas, Bootstrap, d3js, Bokeh, Plotly, etc.

- **Project management:**
  Azure DevOps, Jira, Scrum

- **Certifications:**
  Certified Professional Scrum Master (PSM1).
  Databricks Lakehouse Fundamentals.

💼 Work Experience

Netcompany   *Copenhagen, Denmark*

MACHINE LEARNING SPECIALIST AT ATP   *Oct. 2023 - Present*

- Developed a Proof of Concept (PoC) to classify an employee's next action regarding choosing an appropriate case type. The PoC achieved an accuracy of 98% and will be deployed to production.
- Developed a modular toolbox to assist developers in machine learning end-to-end modelling and MLOps lifecycle procedures.
- Implemented MLflow functionality to track the end-to-end machine learning lifecycle and ease development and deployment.
- Developed a framework to easily apply efficient data pipelines for data preprocessing using Polars.
- Developed a framework to build advanced scikit-learn pipelines and user-defined baseline models.
- Created API documentation and wrote technical end products.
- Embraced agile principles and used Azure DevOps for versioning and project management.

Netcompany   *Copenhagen, Denmark*

DATA MANAGEMENT CONSULTANT AT THE MINISTRY OF TAXATION (UFST), TOPDANMARK AND EVIDA   *Oct. 2021 - Mar. 2023*

- Scraped and extracted complex unstructured data, specifically PDF, EML, HTML, and mainframe data, using Python.
- Analysed as-is and suggested to-be data architectures.
- Derived and implemented a new market valuation algorithm using the theory of geometric series. It significantly reduced the computation time by approximately 30 hours. Improved the model to increase the estimated market value of debt by 4 billion DKK.
- Integrated a team to Jira. Encouraged documentation of data, processes, and guidelines to improve agile team management.
- Built several pipelines using dimensional modelling in the ETL tool, Informatica, SSIS, and MSSQL.
- Educated colleagues and ensured competence strengthening.
- Part of the Netcompany Talent Network for IT talents. Awarded for outstanding team building during their annual Nordic talent event.

Teaching Assistant   *DTU, Denmark*

TIME SERIES ANALYSIS (02417) AND BUSINESS ANALYTICS (42577)   *Feb. 2019 - Jan. 2021*

- Provided assistance to 100+ students, answered questions, and explained advanced mathematical topics in a clear and concise manner.
- Used machine learning and time series analysis to discover and solve interesting problems and cases.
- Evaluated assignments, provided feedback, and helped students identify areas for improvement and growth.

Polyteknisk Forening (PF)   *DTU, Denmark*

TUTOR AND CONSTITUTED PF MEMBER   *2017 - 2019*

- Tutor of 14 exchange students. Arranged group activities and field trips to with the purpose of fostering a strong relationship among the students.
- Active PF member that helped set tomorrow's agenda at DTU. Attended political conferences with The National Union of Students (DSF).

🎓 Education

Technical University Of Denmark (DTU)   *Lyngby, Denmark*

M.Sc. in Mathematical Modelling and Computation, GPA: 11   *Feb. 2019 - May 2021*

- Specialisation: Time series analysis, statistical modelling, machine learning and unsupervised deep learning.

Technical University Of Denmark   *Lyngby, Denmark*

B.Sc. in Mathematics and Technology   *Sep. 2015 - Feb. 2019*

- Specialisation: Statistics, mathematics and machine learning.

🖥 Projects

Click below to see some of my work or visit my **GitHub**:

→ **Interactive website**: Analysed and visualised the link between COVID-19 and socio-economic status in New York City.

→ **Video generation**: Proposed a recurrent deep latent variable model to estimate the underlying data distribution of video data.