

JONATHAN TYBIRK



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Professional Experience

Data Analyst for Aprisium, from March 2024

- Modelling membrane degradation in electrochemical sensors with **Python** data science libraries
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Developer at Symbolik, February 2024 - May 2024

- Wrote readable and maintainable **Python** code modules for a self-operating computer
- **Agile** and continuous development with **Git** for version control
- Worked with **APIs** and **graph databases**

Teaching Assistant in Statistics for DTU,
January 2024 - May 2024

- Taught statistical analysis and modelling
- Extensive use of **R**

Enlistee at Almegårds Kaserne,
August 2022 - November 2022

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- Problem solving in teams in intense and stressful conditions

Relevant Projects

Data Analysis & Model Evaluation,
March 2024 - April 2024

- Principal Component Analysis and thorough data review on housing price influences with **NumPy**, **pandas**, and **Matplotlib**
- Model training and cross-validation with **scikit-learn** and **SciPy**.

[Read the reports](#)↗

Deep Q-learning Model, January 2024

- Multi-agent deep reinforcement learning models trained to play Pong with **PyTorch**
- Application of knowledge about **algorithm time complexity** and **data structures** to reduce model training time

[Read the report](#)↗

Portfolio Website, from July 2023

- Static website to show off personal projects with **HTML**, **CSS**, and **JavaScript**
- Previously a dynamic website built with **Linux**, **Apache**, and **MySQL**

[Visit the website](#)↗

Education

Student at DTU, from August 2023
- *BSc in Artificial Intelligence and Data*

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Personal

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