EDUCATION

Université de Rouen Master in Data Science and Engineering, highest honors, Valedictorian	Rouen, France 2021-2023
Université de Rouen Bachelor in Computer Science and Data Science, honors, Valedictorian	Rouen, France 2020-2021
IUT de Vannes 2 Years University Diploma in Computer Science	Vannes, France 2018-2020
CURRENT & PREVIOUS EMPLOYMENT	
 IT University of Copenhagen Research Assistant, Department of Computer Science I assess the usage of non-relevant information (e.g. background) in chest X-ray images by 0 I studied the presence of public medical datasets in scientific papers and created open-access I defined and wrote a PhD project proposal on the evaluation of multi-modal datasets and I assisted in the data collection or data processing of other lab projects 	tools based on the research
 IT University of Copenhagen Assistant Lecturer, Department of Computer Science I prepare and give lectures to bachelor's students of the Project in Data Science course (Configuration of classifiers, common problems in machine learning projects) I design the exercises for the practical sessions I coordinate the teaching assistants during the practical sessions 	Copenhagen, Denmark January 2024 — now Sit, decision trees, ensemble
IT University of Copenhagen Oce Teaching Assistant, Department of Computer Science Oce • I assisted students during practical sessions of the Data In the Wild Course Oce • I assisted teachers in the preparation of the exercises Oce	Copenhagen, Denmark tober 2023 – January 2024
 IT University of Copenhagen Research internship, Department of Computer Science I studied the use of datasets in scientific papers on the segmentation of medical images I identified and evaluated tools to collect scientific papers' information such as content and I performed various NLP techniques to evaluate the organ focused in a paper 	Copenhagen, Denmark March 2023 — April 2023 l citations
 See-d Developer intern I developed a storage-related data analysis website with Python and a Qlik Sense dashboar I improved existing features and developed new parts of both the website and the API statuto-regressive models (ARIMA) 	

• I was responsible for demonstrating the tool at internal meetings and helped prepare external demonstrations

UNIVERSITY PROJECTS

Comparaison of U-Net and Segformer Architectures

Université de Rouen, 2022 - 2023

- I compared the U-Net and the SegFormer architecture on the segmentation of cardiac structure in ultrasound images
- I worked in collaboration with a PhD student to extend my study to other segmentation tasks

Glaucoma detection with CNN

Université de Rouen, 2021 - 2022

- I classified eye fundus images for glaucoma detection with convolutional neural networks
- I evaluated the effect of different techniques for mitigating data imbalance, such as data augmentation, weighted loss and resampling

PUBLICATIONS

- [Citation Needed] Data usage and citation practices in medical imaging conferences. **T. Sourget**, A. Akkoç, S. Winther, C. L. Galsgaard, A. Jiménez-Sánchez, D. Juodelyte, C. Petitjean, and V. Cheplygina. Submitted to Medical Imaging with Deep Learning, 2024. under review.
- Detection transformer for teeth detection, segmentation, and numbering in oral rare diseases: Focus on data augmentation and inpainting techniques, H. Kadi, **T. Sourget**, M. Kawczynski, S. Bendjama, B. Grollemund, and A. Bloch-Zupan. Accepted for publication in The 2023 International Conference on Computational Science and Computational Intelligence (CSCI'23).
- Can Segformer be a true competitor to U-net for medical image segmentation? **T. Sourget**, S. N. Hasany, F. Mériaudeau, and C. Petitjean. In Annual Conference on Medical Image Understanding and Analysis, pages 111–118. Springer, 2023.

OTHER ACHIEVEMENTS

- Recipient of a DDSA visit fund of 1645€ in 2023 to work with Dr Veronika Cheplygina at the IT University of Copenhagen
- Recipient of the Graduate school MinMacs scholarship of 15 000€ (funded by the Normandy region) during both the first
- and second year of my Master's degree, giving access to funding, a supervisor and an immersion in laboratories
- Presentation of the work on the study of dataset usage and citations at the D3A Conference 1.0 2024
- Presentation of the work on the segmentation of cardiac ultrasound images at the GRETSI 2023
- Presentation of an introduction to dynamic graph neural networks at the Graduate School MINMACS reading group 2023.
- Volunteered in a children's tutoring group