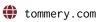
Mery Tom

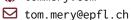


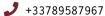




- Supervised by Prof. Chirag Patel









Visiting Researcher, Harvard Medical School, Boston, USA

Data Scientist Intern, Mercuria, Geneva, Switzerland

- Implemented unsupervised log parsing methods.

tual logs and performance metrics produced by the servers.

Working on Multimodal LLMs for Healthcare individual-specific data.

Developed a general framework to predict failures in ETRM systems from tex-

- Built data pipelines to automate the data extraction from Prometheus to AWS. - Built a Dash app/api to visualize/retrieve the history of EOD workflows.



Employment History

Mar 2024 - Present



Aug 2023 – Jan 2024



Sep 2022 - Nov 2023



EPFL VITA

Research Assistant, Visual Intelligence for Transportation (VITA), EPFL Developed a monitoring application on an Apple Watch to prevent eye-rubbing using deep neural networks.

- Leveraged state-of-the-art capabilities of Transformer networks.
- Implemented iOS/WatchOS apps for data collection and real-time inference.
- Collaborated with Hôpital Fondation Adolphe de Rothschild, Paris.
- Presentation at SAFIR Congress 2023: Vimeo.
- Project supervised by Prof. Alexandre Alahi.

Sep 2021 – Jan 2023



Teaching Assistant, Mathematics Section, School of Engineering, EPFL Teaching during exercise sessions for Calculus I (3x), Calculus B, Programming for engineers, Mechanical construction I (2x), Mechanical construction II and Mechanical systems (8h to 15h per week).

Education

Spring 2024

Master's Thesis in Biomedical Informatics, Harvard University, Boston, USA

2021 - 2024

M.Sc. Robotics & AI, EPFL, Lausanne, Switzerland

GPA: 5.4/6 (current)

Artificial intelligence, Applied data analysis, Machine learning, Deep learning, Database systems, Computer Vision, Image processing, Pattern recognition

2020 - 2021

International Exchange Program, DTU, Copenhagen, Denmark Fluid mechanics, Quantum mechanics, Satellite geodesy, Electrical machines, Materials, Structures, Controls

2018 - 2020

B.Sc. Mechanical engineering, EPFL, Lausanne, Switzerland Calculus, Linear algebra, Mechanics, Thermodynamics, Electromagnetism, Dynamical systems, Programming

Skills

Languages

French (Native), English (C1), German (A2).

Coding

PYTHON (PYTORCH, NUMPY, PANDAS, SCIKITLEARN, OPENCV), SWIFT, MATLAB, C, SQL, GIT, DOCKER, HTML, CSS, JEKYLL, LATEX, MONGODB, AWS.

Hobbies

Soccer, Climbing, Hiking, Basketball, Piano, Chess, Poker.