

Coordonnées

sachahaidinger@bluewin.ch

[www.linkedin.com/in/](https://www.linkedin.com/in/sachahaidinger)

sachahaidinger (LinkedIn)

Principales compétences

Python (Programming Language)

PyTorch

Data Science

Languages

English (Professional Working)

French (Native or Bilingual)

Certifications

Microsoft Certified: Power BI Data Analyst Associate

Sacha Haidinger

Data Scientist at Sword Services Switzerland | EPF Engineer | AI and ML oriented

Lausanne, Vaud, Suisse

Résumé

Dedicated, solution and result oriented EPF Engineer.

Passionate about how Deep Learning, Machine Learning, Computer Vision and Generative AI can be used as a vector to trigger innovation in all industries.

Expérience

Sword Group

Data Scientist

janvier 2022 - Present (2 ans 6 mois)

Geneva, Switzerland

AiM Services

Data Analyst

juin 2021 - décembre 2021 (7 mois)

Geneva, Switzerland

Keywords : Business Intelligence, DataWarehouse, Microsoft PowerBI, SQL

Working on an agile IT project as a Data Analyst, my role is to deep dive into the Data, structure and transform it to make it as coherent, self-explainable and end-users targeted as possible, notably throughout creating comprehensive SQL queries and insightful dashboards.

UNSW

Master Thesis - Visiting Scholar

février 2020 - septembre 2020 (8 mois)

Sydney, New South Wales, Australia

"Computer Vision, Machine Learning and Deep Learning for Cell-Image Based Drug Screening."

I designed, implemented and tested the efficiency of AI pipelines, aiming to measure and help interpret drug effects on human cells in microscopic images.

Keywords : Representation Learning, Data Visualization, Interactive Learning, Explainable AI.

* Zeno Karl Schindler Master Thesis Grant Recipient

* Co-author of a conference paper presented at the MICCAI MLMI 2021

Supervised by Prof. Erik Meijering and Dr. John Lock

Prof. Pavan Ramdya Lab

Computer vision Semester Project

septembre 2019 - janvier 2020 (5 mois)

Generation of synthetic - ground-truth annotated - microscope images/videos of behaving flies dense neural population activity, using Computer Vision and Deep Learning.

This synthetic two-photon excitation microscopy data can then be used as training data for a deep network axons tracker, enabling an automatic and efficient way of extracting neural activity (through extraction of fluorescent traces of a calcium indicator).

ONWARD

Engineer Intern

septembre 2017 - juin 2018 (10 mois)

Région de Lausanne, Suisse

Improved usability of medical device used in an ongoing clinical trial (STIMO) by integrating a voice-controlled smartwatch allowing patient control of an implantable neurostimulator. Developed Android WearOS application for the smartwatch that communicates with stimulator over BLE, integrated voice detection library, constructed patient-specific training sets and quantified detection performance in realistic rehabilitation scenarios.

OnWard, formerly GTX Medical

UPMEYLAN LAB

Lab Immersion Internship

août 2016 - août 2016 (1 mois)

Lausanne Area, Switzerland

As part of my Bachelor project, 3-week internship in Pr Meylan's laboratory Understanding and analyzing a specific signaling pathway linked to the development of non-small cell lung cancer "The double edged sword of STING signaling in lung cancer cells"

SYZ & CO S.A

Student Internship

janvier 2014 - janvier 2014 (1 mois)

Geneva Area, Switzerland

Bank SYZ & CO internship in the "Operational Centre" department (1 month)

Calculating the performance fees impact (TER) on Hedge Funds

UBP - Union Bancaire Privée

Internship

avril 2012 - juin 2012 (3 mois)

Geneva Area, Switzerland

Union Bancaire Privée internship in the « Logical Security » department

Handling the biometry identification enrolment, renewals and new joiner on boarding

CERN

Internship

mars 2011 - juin 2011 (4 mois)

Geneva Area, Switzerland

Internship at C.E.R.N and at the University of Geneva (4 months) in the Physics section with Dr. Martin Pohl (Physics section Director)

Formation

EPFL (École polytechnique fédérale de Lausanne)

Master's degree, Bioengineering, Computational Science oriented · (2017 - 2020)

Ecole polytechnique fédérale de Lausanne

Bachelor's degree, Bioengineering · (2014 - 2017)

Collège Madame de Staël

Maturité Fédérale, Études générales · (2009 - 2013)