

Curriculum Vitae

Tim Giger

December 2024

Firstname	Tim
Lastname	Giger
Date of Birth	2. June 1993
Place of Origin	Romoos (Lucerne)
Marital Status	Single
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Short Profile

As a results-oriented and team-focused professional with over 15 years in the technology sector, I specialize in Data & AI solution development and design. My experience encompasses diverse projects across Switzerland in various industries, enhanced by a Bachelor's in Business Information Technology and a Master's in Data Science. I hold multiple certifications in project management and technology, and I'm a speaker at various national and international tech conferences, including TDWI and SAP TechEd.

Work Experience

Since January 2025

Zurich

Swisscom (Schweiz) AG – B2B Business Unit

Principal Data & AI Consultant, CTO (Full-Time)

- *Driving presales, tech scouting, and partnerships to deliver impactful Data & AI solutions.*
- *Architecting and engineering scalable and modern Data & AI solutions/systems.*
- *Coaching junior talent and implementing frameworks to elevate practice-wide expertise.*
- *Project management (agile and waterfall) for external business clients.*
- *Contribution to the practice strategy, marketing, and sales (including pre-sales).*

August 2015 - December 2024

Zurich

Swisscom (Schweiz) AG – B2B Business Unit

Principal Data & AI Consultant, Teamlead (Full-Time)

- *Design of Data & AI solution architectures.*
- *Design and integration of various Data & AI software components, both on-premises and cloud-based, utilizing Open-Source, Microsoft, and SAP technologies.*
- *Development of ETL/ELT and data streaming pipelines.*
- *Development of ML/AI solutions leveraging Open-Source, Azure, and AWS.*
- *Data engineering with cloud technologies (Azure, AWS) and various on-premises platforms.*
- *Project management (agile and waterfall) for external business clients.*
- *Leadership of a consulting team (8 FTE), incl. recruitment, coaching, and talent development.*
- *Contribution to the practice strategy, marketing, and sales (including pre-sales).*

Since August 2022

Zurich

HWZ – University of Applied Sciences for Business Administration Zurich

Lecturer (Part-Time)

- Lectures within the B.Sc. in Business Information Technology in different modules.
 - Lectures on Machine Learning and Cloud Computing in advanced degree programs (CAS).
 - Preparation of documents, supervision of students and expert for final theses.
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Since August 2022

Luzern

HSLU – Lucerne University of Applied Sciences & Arts

(Co-)Lecturer (Part-Time)

- Lectures in "Modern Data Engineering", focused on Data Architecture & Data Modeling in the M.Sc. in Applied Information & Data Science. Automation, engineering, and responsible for the used Azure Labs within the module.
 - Assistant in the Python modules "Python for Data Scientists" & „Collection, Integration and Preprocessing“, focused on programming, web scraping, data transformations and visualization in the M.Sc. in Applied Information & Data Science.
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August 2013 - February 2014

Bern

BKW Energie AG

Junior System Engineer (Full-Time)

- Collaboration in OS deployment/rollout using SCCM.
 - Introduction (conception, system design, realization) of Microsoft Bitlocker.
 - Various automations with scripting in Powershell, Python and JavaScript.
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August 2009 - July 2013

Bern

BKW Energie AG

Apprenticeship in Computer Science (Part-Time)

- Four-year apprenticeship with a focus on IT and technology.
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Education

Since February 2025

Ph.D. Candidate in Civil & Environmental Engineering (EDCE)

EPFL - École Polytechnique Fédérale de Lausanne

September 2024 - December 2024

Advanced Degree Program in Digital Transformation & Customer Solutions

HSG University of St.Gallen (Part-Time)

Certificate of Advanced Studies (CAS) in Digital Transformation & Customer Solutions

February 2022 - February 2024

M.Sc. in Applied Information & Data Science

HSLU - Lucerne University of Applied Sciences & Arts (Part-Time)

August 2020 - November 2021

B.Sc. in Business Information Technology

SRH - Fernhochschule Riedlingen (Part-Time)

August 2017 - July 2020	College of Higher Education IFA - Höhere Fachschule der Digitalen Wirtschaft (Part-Time) Advanced Federal Diploma of Higher Education in Business Information Technology
January 2020 - July 2020	Advanced Degree Program in Leadership ZHAW Zurich University of Applied Sciences (Part-Time) Certificate of Advanced Studies (CAS) in Leadership
August 2014 - July 2015	Swisscom Process Academy 1-year ABAP/SAP Development Consultant traineeship (Full-Time)
March 2014 - July 2014	Recruit and Officer School Training as an armored infantry platoon leader in the Swiss Armed Forces (Full-Time)
August 2009 - July 2013	Apprenticeship in Computer Science (System Engineering) Gibb Berufsfachschule Bern (Part-Time) Federal Diploma of Vocational Education and Training (EFZ)

Expertise

Methods & Concepts	Data Architecture, Data Modeling, Data Platform Design, Requirements Engineering, Business Engineering, IT Service Management (ITIL), Application Engineering (UML), Business Intelligence, Data Warehousing, Data Science, Large Language Models (LLMs), Machine Learning, Natural Language Processing, Deep Learning, Predictive Modeling.
Professional Software & Cloud	Microsoft BI, Cloudera (CDP & CDF), Microsoft Azure, Amazon AWS, SAP Analytics Cloud, BusinessObjects, Open-Source Technologies (Kafka, NiFi, HDFS, Spark, Hive, SuperSet, Streamlit, PyTorch, Transformers, TensorFlow), Visualization Tools (SuperSet, Power BI), ML Frameworks (PyTorch, TensorFlow), NLP Libraries (Transformers, NLTK).
Programming Languages	Python, SQL, R, PySpark

Languages

Deutsch	Native
English	Professional working proficiency
French	Elementary proficiency

Professional Certificates

Methodical	2024	HERMES 2022 Foundation
	2019	Professional Scrum Master I (PSM I)
	2011	ITIL V3 Foundation Certification in IT-Service Management
Technology	2024	Microsoft Certified Solutions Architect Expert
	2023	AWS Cloud Practitioner
		Microsoft Certified Azure Administrator
	2022	Microsoft Certified Azure Developer
		Microsoft Certified Azure DevOps Expert
	2021	Microsoft Certified Azure Data Scientist Associate
		Microsoft Certified Data Analyst Associate
	2020	Microsoft Certified Azure AI Engineer Associate
		Microsoft Certified Azure Data Engineer Associate
	2018	SAP Certified Application Associate SAP BusinessObjects BI Platform 4.1
	2017	Hortonworks Certified Associate in Hadoop (HCA)
	2016	Coursera Certified in R Programming (John Hopkins University) Coursera Certified in Data Scientist's Toolbox (John Hopkins University)
Languages	2019	Cambridge Business English Certificate (BEC) Vantage

Industry Expertise

- Telecommunication & IT
- Finance
- Media
- Pharma & Health
- Defence & Aerospace
- Industry
- Real-Estate