

# Felix Saaro

Software Engineer, MSc Data Science  
Zurich, Switzerland

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Engineer with over a decade of experience writing and deploying software. Started with an apprenticeship in Software Development, worked as a Front-End Developer, gained DevOps experience while completing a BSc in Computer Science, and worked as a research assistant during the MSc studies.

## Experience

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**Research Assistant — ZHAW, Centre for Artificial Intelligence** 2023 – Present  
Winterthur, Switzerland

Developed event and LiDAR based vision pipeline for in-flight object detection, including synthetic dataset creation through simulation, quadcopter sensor payload building for validation, and a spatial-temporal sensor calibration method.

Extracted hierarchical labels from emergency department records for pediatric injury monitoring, using a fine-tuned LLM; responsible for data preparation, annotation, model fine-tuning, and evaluation.

Deployed and monitored various ML models with NVIDIA Triton and vLLM. Developed and deployed a scheduling tool for the autonomous testing infrastructure (LINA) built using React, NodeJS and PostgreSQL.

**DevOps Engineer — Bühler Group AG** 2019 – 2023  
Uzwil, Switzerland

Built process automation within Azure DevOps to improve code review, dependency tracking, and deployment workflows, supporting ISO27001 certification. Developed a documentation platform aggregating 100 repositories with an integrated chatbot based on the Azure Bot Framework and prototype a RAG system using FastAPI and PostgreSQL. Collaborated on standardizing reusable front-end components within an Angular library across multiple teams.

**Front-End Engineer — CanvasHeroes B.V.** 2017 – 2019  
Amsterdam, The Netherlands

Worked on web and mobile projects using React, React Native and Symfony. Including scaling an app to 10k concurrent users by applying caching and read-only database replications. Mentored interns and improved development workflows by implementing CI/CD practices using Bitbucket Pipelines.

**Apprentice / Software Developer — Online Consulting AG** 2013 – 2017  
Wil, Switzerland

Contributed to a web-based platform for industrial after-sales services within an international SCRUM team.

## Education

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**MSc Data Science – ZHAW** in Winterthur, Switzerland 2023 – Present

**BSc Computer Science – ZHAW** in Winterthur, Switzerland 2020 – 2023  
Including an Exchange Semester at UiA in Grimstad, Norway Fall 2022

## Projects

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**Bunvol.ch** 2026  
Platform for coordinating volunteers and staff at events, streamlining scheduling, communication, and task management. Built using React, Pocketbase. Deployed on a VPS using Github Actions and Docker.

**Cheers.li** 2023  
Mobile app to share your location with friends and invite them to join. Built with Capacitor and Supabase, deployed via Fastlane.

**Floq.io** 2022  
Event-driven low-code platform connecting software systems. Built with React, .NET, and NodeJS, deployed on Kubernetes using Helm Charts.

## Volunteer Experience

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**President – Handballclub Uzwil** 2024 – Present  
Lead a club with 100 children across 14 teams and 60 adults across three teams. Coordinate activities, support coaches and volunteers, and organize initiatives such as two regional youth tournaments with 400 participants each.