

Kyla Kaplan

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EDUCATION

Università della Svizzera italiana

Lugano, Switzerland

Master of Science in Financial Technology & Computing

Jan. 2025 – Jan. 2027 (exp.)

- **Relevant Coursework:** Risk Management, Financial Intermediation, Trading & Market Microstructure, Financial Econometrics, Financial Modelling, Investments

Università della Svizzera italiana

Lugano, Switzerland

Bachelor of Science in Informatics

Sep. 2021 – Jan. 2025

- **Bachelor Thesis:** developed internal IDE tools for a proprietary insurance system with Lifeware and the GT team; integrated data visualization/analytics for financial datasets.
- **Focus:** object-oriented programming, machine learning, financial data analysis

TECHNICAL SKILLS

Programming: Python, SQL, Smalltalk, JavaScript, R, HTML/CSS

Data/ML Tools: Pandas, NumPy, scikit-learn, Matplotlib, Jupyter, FastAPI

Finance/Analytics: Financial data pipelines, CRM/ERP systems, portfolio analytics, KPI dashboards

EXPERIENCE

Junior Software Engineer

Dec. 2023 – Present

Squarelife, subsidiary of Lifeware

Bioggio, Switzerland

- Engineered CRM/ERP modules for a pan-European insurance platform managing multi-country client portfolios; implemented automation features in Smalltalk and collaborated in an Agile team environment, applying TDD and XP methodologies to enhance software reliability and maintainability.

Business Systems Data Analyst

Jul. 2023 – Dec. 2023

Advantive

Remote – Lugano, Switzerland

- Led post-acquisition data migration to NetSuite/Dynamics365, boosting resolution speed by 15%. Automated data cleansing and reporting workflows saved 10+ hrs/week.

Junior Project Manager

Jan. 2023 – Jul. 2023

Pulse Project

Remote – Lugano, Switzerland

- Directed architecture, data modeling, and workflows for scalable CRM/ERP serving first 100+ projected SME clients.

Data Analyst Intern

Jul. 2019 – Sep. 2019

NASA (Ames Research Center), via Metis Technology Solutions Inc.

Moffett Field, CA, USA

- Built data visualization models for high-fidelity flight simulations, supporting pilot training decision-making.

LEADERSHIP & PROJECTS

Google Summer of Code 2025 (Contributor, Pharo Consortium)

Jun. 2025 – Nov. 2025

- Developed open-source computer vision system for Cormas simulation platform using YOLO & OpenCV; real-time Python-Pharo integration for object tracking and agent control.

MCP Agent Server – CityFALCON Financial News Integration (NLP Course Project)

Apr. 2025 – Jun. 2025

- Built Model Context Protocol server in Python to integrate CityFALCON's financial news API with LLM agents; designed tools for news retrieval, sentiment analysis, and automated summarization workflows.

Co-founder – Neural Wave Lugano

Dec. 2023 – Oct. 2024

- Organized first AI-focused hackathon in Lugano with 100+ participants and sponsors incl. Bosch, Duferco, Swisscom.

#herHACK Finalist

Oct. 2022, Nov. 2023

- 2023: Designed e-personal medical record prototype for Swiss Post. 2022: Built ESG-focused application for UBS bank.

LANGUAGES & CERTIFICATIONS

Languages: English (native), Russian (fluent), French & Italian (intermediate/basic)

Certifications: NVIDIA DLI – *Fundamentals of Deep Learning* (2022), *Analyzing Business Metrics with SQL* (2023)