

Yuqing Huang^(clickable)

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Date of Birth: 14.01.1999
Nationality: Chinese
Student Permit B (Work Permit Verification)



AI Engineer | Full-Stack Developer | Enthusiastic Dancer
Passionate about creative problem-solving and dynamic, real-world impact.

🎓 EDUCATION

University of Zurich , Zurich, Switzerland	2022 – 2025
<i>Master student in Computer Science</i>	
Major in Data Science with minor in Banking and Finance	
Additional 36 ECTS in Bachelor Informatik courses	
Master Thesis: Explainable AI for Fashion Recommender	
Shanghai University , Shanghai, China	2017 – 2021
<i>Bachelor Degree in Mechanical Engineering</i>	
Bachelor Thesis: Structural Design and Control of Inertial Actuators	

👛 PRACTICAL EXPERIENCE

Arcas Agentic Zurich, Switzerland	12.2025 – Now
<i>AI Solutions Engineer</i>	
<ul style="list-style-type: none">Built and maintained the AI-native Arcas platform, ensured GDPR and enterprise compliance through PII masking, role-based access control, and explainability features.Delivered end-to-end AI pilots across legal, finance, and deal advisory workflows — including document intelligence pipelines, RAG-based agents, and LLM extraction for contracts, IMs, and valuation materials.Scoped client requirements, defined success criteria, and iterated with teams until workflows were production-ready and independently operable.	
Apex Software Co. Shanghai, China	07.2021 – 06.2022
<i>Project Develop Engineering Intern</i>	
Participated in the development of a CRM system for an insurance company.	
<ul style="list-style-type: none">Built and validated ETL pipelines using Kettle for data extraction, transformation, and cleaning, ensuring data accuracy across the CRM system.Conducted functional testing by designing test cases, logging defects, and producing test reports, contributing to a stable production release.Liaised with clients to align system requirements, and produced training materials and regular progress reports for stakeholders.	

🏗️ PROJECTS EXPERIENCE

Dance Studio Member Management System	09.2025 – 12.2025
<i>Full-stack Developer</i>	
Project Description: Designed and delivered a full-stack business management web application for a dance studio, replacing manual administrative workflows with a digital platform supporting end-to-end studio operations for both staff and members.	
Technology Stack: TypeScript, Next.js, React, Supabase, Vercel, PostgreSQL, Tailwind CSS	
<ul style="list-style-type: none">Implemented role-based access control with PostgreSQL RLS policies, supporting distinct admin and member workflows across the platform.	

- Built a QR code-based check-in system with real-time class capacity tracking and automated subscription credit deduction, eliminating paper-based attendance management.
- Developed a self-service member portal for profile management, booking history, and subscription tracking — reducing staff support overhead.
- Owned full product lifecycle from requirements to deployment, delivering 19 incremental releases on Vercel with a production-ready codebase.

Group Music Recommendation Platform With Spotify API

04.2024 – 01.2025

Frontend Developer Master Project, collaborated in group of five

Project Description: Designed and developed a collaborative music player integrating Spotify authentication, group song voting, and explainable recommendation algorithms. Users can participate in and fine-tune recommendation decisions in real time, with the system continuously optimizing based on user feedback and interactive functionality to increase user trust.

Technology Stack: TypeScript, Vue.js, Uvicorn, PostgreSQL, Docker, Figma

- Collected and processed audio features of 1M+ songs via Spotify API, performing data cleaning and similarity analysis to build the recommendation dataset.
- Trained a LightFM-based recommendation model with a feedback-driven decay function to dynamically reweight songs, improving personalization accuracy over time.
- Reproduced Figma design drafts and implemented component-based development using Vue to reduce code redundancy and improve component reusability.
- Achieved interaction between song playback and multi-component data visualization, ensuring a smooth user experience and accurate data interpretation.

★ EXTRACURRICULAR ACTIVITIES

Part-time dance teacher across multiple dance studios Shanghai % Zurich

03.2018 – Now

Deloitte (Shanghai): Annual Meeting Choreographer

11.2018 – 12.2018

- Choreographed a 10 minutes long performance for the consulting department.
- Led teaching sessions, arranged formations, edited music to ensure a seamless performance.

SoulKool Dance Association of Shanghai University

06.2018 – 06.2019

Association Administrator

- Managed operations for 200–300 members including registration, bi-weekly training scheduling, and attendance tracking.
- Co-organized an annual showcase at Mao Livehouse with 700+ attendees, coordinating performances, competitions, and rehearsals across venues..

⚙️ IT SKILLS

- **Programming Languages:** Python, Java, TypeScript, SQL, R, C
- **Frontend:** React, Next.js, Vue.js, Tailwind CSS, HTML, CSS
- **Backend & Data:** Spring Boot, FastAPI, PostgreSQL, Supabase, NumPy, Pandas, Scikit-learn, XGBoost, TensorFlow, LightFM
- **GenAI & LLM:** Microsoft Foundry, LangChain, RAG, Prompt Engineering, MCP, Claude COde, Cursor
- **Tools % Platforms:** Azure, Git, Docker, Vercel, Power BI, Solidworks, AutoCAD, CATIA, ADAMS

🌐 LANGUAGES

- **Chinese:** Native
- **English:** Business Proficient (C2 Equivalence)
- **German:** Daily Conversational (A2-B1 Equivalence)

♥️ INTERESTS

- Flute, Music, Stand-up Comedy, Traveling, Photography, Making cocktails, Seeing exhibitions, Impression Arts, Golf, Chinese Traditional Dance, Mushroom Hunting