Jing FU
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I'm passionate about healthcare data and visualization, with a strong foundation in statistics and data science from my studies. My expertise lies in healthcare data visualization and statistical analysis, with a focus on improving patient outcomes. Additionally, I have a keen interest in sports analytics, particularly soccer, where I apply my data science skills to enhance game understanding and strategies.

EDUCATION

University of Zurich — Zurich, Switzerland
Msc in Informatics (Major in Data Science, Minor in Informatics) — *2021 – now*
- Coursework: Foundations of Data Science, Systems for Data Science, Introduction to Interactive-Visual Data Analysis, Temporal and Spatial Data Management, Advanced Statistics, Statistical Analysis for Experiments, HCI, Soccer Analytics
- Project: Breastfeeding Factor Analysis, Formula1 Collisions Network Analysis, Meditation's Influence on Debugging Efficiency

Southwestern University of Finance and Economics — Chengdu, China
BEc in Economic Statistics (Financial Statistics and Risk Management), GPA: 85.33/100 — *2017 – 2021*
- Honor: Scholarship of Academic Excellence Spring & Fall, 2018, Provincial Silver Award in China College Student's Nonprofit Entrepreneurship Competition
- Coursework: Analysis, Advanced Algebra Mathematical Statistics, Time Series, Sampling Theory, Data Visualization, Data Mining, Statistical Programming, Stochastic Process

London School of Economics and Political Science — London, U.K.
Exchange Program, GPA: A — *2019*

PROFESSIONAL EXPERIENCE

Aarau Kantonsspital (KSA) | Aarau, Switzerland
Intern, Data Science & AI Team — *Oct 2024 – Present*
- Developed LLM-based matching pipelines to link lab test data with LOINC codes
- Integrated LangChain with Hugging Face models to build a retrieval-augmented generation (RAG) code matching workflow
- Applied prompt engineering techniques improve mapping accuracy
- Collaborated with medical experts to evaluate system performance and implement feedback iteratively

UZH ZPAC Lab| Zürich, Switzerland
Teaching Assistant in People Oriented Computing Course — *Sep 2024 – Feb 2025*
- Supported undergraduate students with concepts in sustainable human-computer interaction (HCI)
- Reviewed assignments and provided structured, constructive feedback to students
- Held an exercise session about sustainable HCI to reinforce key concepts and support hands-on learning

Family Larsson-Rosenquist Foundation (FLRF) | Frauenfeld, Switzerland
Intern, Breastfeeding Research Team — *March 2024 – June 2024*
- Evaluated different tools and prototyped interactive dashboards to support breastfeeding-related health research
- Extracted and integrated data from multiple platforms via APIs, such as WHO, UNESCO etc.
- Prototyped visualizations and dashboards in Power BI to support decision-making for non-technical stakeholders
- Collaborated with researchers and stakeholders to iteratively refine the dashboard's usability and content

KPMG | Beijing, China
Intern, Financial Risk Management Consulting (FRM) Team — *June 2021 – Sep 2021*
- Managed data collection and cleaning from the Wind-Economic Database using R
- Updated and applied the *Merton Model* to predict *Expected Credit Loss* in compliance with IFRS9 and CAS 22 regulations
- Prepared and delivered project documentation under the supervision of the project manager

China Everbright Bank | Shanghai, China
Intern, Risk Management Team — *July 2020 – Aug 2020*
- Made financial statements in quarterly and monthly reports and visualized the data

- Compiled financial risk early-warning reports and supported the People's Bank of China (PBoC) and China Banking and Insurance Regulatory Commission (CBIRC) in conducting risk assessments

ACADEMIC EXPERIENCE

Master Thesis: Zürich, Switzerland

Effective Playing Time Analysis in Soccer Matches – study based on Swiss Super League

Master Thesis student in ETH Social Networks Lab *April 2025 – Present*

- Developed Python scripts to classify restarting and stopping events using match event data
- Investigated multiple contextual factors affecting effective playing time (e.g., referee, team, match period)
- Visualized event timelines and stoppage distributions to support tactical analysis
- Applied statistical techniques and data pipelines in Python for large-scale match data

Master Project Zürich, Switzerland

NLP-Driven Insights for Breastfeeding Support: Automating Information Extraction in Health Interventions with FLRF

- Introduction of an AI pipeline to analyze breastfeeding interventions, enabling evaluation of intervention effectiveness and practicality
- Establishing a visual dashboard for non-experts to easily keep track of the data

Blood Glucose Prediction Visualization Study Zürich, Switzerland

Research Master Student, ZPAC lab UZH *June 2023 – Feb 2024*

- Designed and ran a survey to determine user preferences regarding blood glucose prediction visualization tools
- Gathered and analyzed data extensively, employing advanced statistical techniques to inform visualization development

ADDITIONAL INFORMATION

- **Languages**: Mandarin (Native), English (C1),German(A2)
- **Programming Skills:**
  - Advanced Level: Python, R, SQL
  - Intermediate Level: JavaScript, C, C++, MATLAB, NoSQL
- **Libraries & Frameworks:** Git, PyTorch, LangChain, Hugging Face Transformers
- **Visualization Tools:** PowerBI, Tableau, Figma, Plotly, Matplotlib, R Shiny
- **Soft Skills:** Strong communication, cross-cultural collaboration, teaching & mentoring