Adrian Sager La Ganga

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🧠 SKILLS

Skill	Level
Python	● ● ● ● ●
C/C++	● ● ● ● ○
AI	● ● ● ● ○
Fullstack	● ● ● ○ ○
UI	● ● ● ● ○

🎓 EDUCATION

Computational Science & Engineering (5.57/6.00)
EPFL ⧉
09/2020 – 02/2023 | Lausanne, Switzerland
- Advanced Algorithms (6.00/6.00)
- Quantum molecular simulation (6.00/6.00)
- Information security and privacy

Computer Engineering (110/110)
Polytechnic University of Turin ⧉
09/2020 – 02/2023 | Turin, Italy
- Young Talents Project (**top 5%**)

🌐 LANGUAGES

Language	Level
English	● ● ● ● ○
Spanish	● ● ● ● ●
Italian	● ● ● ● ○

💼 PROFESSIONAL EXPERIENCE

AI Medical ⧉
Software Engineer
01/2024 – present | Zurich, Switzerland
- Introduce and lead modern Agile methodologies, Jira, CI/CD, code reviews, and project reviews
- Participate in strategy meetings, discuss how to prioritize features for next release, and program most critical features
- Design, develop, and deploy fullstack web application
- Take responsability as Cybersecurity Officer
- Design and carry out product and AI technical interviews (20+ interviewed; 3 hired)

C++ | SwiftUI | Python | TypeScript | Docker | Tensorflow | SQL

IBM Research ⧉
Research Intern
08/2023 – 01/2024 | Zurich, Switzerland
- Create hybrid GNN and transformer architectures for anomaly detection in financial transactions

Python | Pytorch | Weights & Biases

IBM Research ⧉
Master Thesis
09/2022 – 01/2023 | Zurich, Switzerland
- Train LMs with uncertainty quantification (UQ) to generate sustainable chemical reactions

Python | Pytorch

Beyond Gravity ⧉
System Engineer Intern
03/2022 – 09/2022 | Zurich, Switzerland
- Develop rover simulation software for ESA's ExoMars mission as the only software engineer
- Achieve x3.0 simulation speedup with SIMD/SSE, and better code structure
- Create realistic 3D visualization in a game engine

C++ | C# | Python

Dynatrace ⧉
Data Scientist Intern
03/2020 – 05/2020 | Linz, Austria
- Design pipeline to translate the 7-person team's ML research into production

Python | Java

🏅 AWARDS

U.S. Provisional Patent | Top Team
European Innovation Academy
2019
- 3-week startup competition (~200 participants)