

# Adrian Sager La Ganga




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## SKILLS


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   
10/2017 – 07/2020 | Turin, Italy  
• Young Talents Project (**top 5%**)

## LANGUAGES

English	● ● ● ● ●
Spanish	● ● ● ● ●
Italian	● ● ● ● ●

## PROFESSIONAL EXPERIENCE

### AI Medical

Software Engineer

01/2024 – present | Zurich, Switzerland

- Introduce and lead modern Agile methodologies, Jira, CI/CD, and code reviews
- Participate in strategy meetings, discuss how to prioritize features for next release, and program most critical features
- Design, develop, deploy, and operate fullstack web application
- Take responsibility as Cybersecurity Officer
- Design and carry out product and AI technical interviews (20+ interviewed; 3 hired)

C++ | SwiftUI | Python | Terraform | 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

- Combine MCTS and LMs trained with uncertainty quantification (UQ) to generate sustainable chemical reaction chains

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
- Co-author paper on the project (ASTRA 2023)

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)