

# Gabriele Morello

Stockholm, Sweden, +393202832237, gabrielemorello@protonmail.com

---

Date of birth	26-11-1999	Nationality	Italian
Place of birth	Torino, IT		

---

LINKS [Website](#), [Linkedin](#), [GitHub](#)

---

PROFILE Software engineer student with a strong passion for trailblazing technologies. My mindset is "Get Stuff Done" and I crave learning from every problem I tackle. I aim to work with big data and complex systems. I'm the person you ask to join your impossible project.

---

## EMPLOYMENT HISTORY

Mar 2020 — Jun 2023 **Software Engineer, CERN - European Organization for Nuclear Research** Geneva, CH

- I built a quantum key distribution simulator in Python and the backend for the platform around it, using both the peer-to-peer and the client-server architectures.
- I Integrated it into federated learning frameworks (OpenFL and Flower) and in a homomorphic encryption system for medical data analysis.
- Main technologies I used: Python, FastAPI, TensorFlow, Pandas, Redis, Git, Docker, basics of CI/CD, and DevOps.

---

## EDUCATION

Aug 2022 — Present **MSc in Software Engineering of Distributed Systems: Data Science, KTH Royal Institute of Technology** Stockholm, SE

This program provides advanced knowledge for building distributed software applications. My track, Data Science, focuses on data analysis courses

- Software engineering: Agile, UML, DevOps, design patterns
- Distributed systems: Erlang and functional programming, distributed algorithms,
- Data Mining: Apache Spark, Scala, MapReduce, Clustering, Recommendation Systems

Sep 2018 — Jun 2022 **BSc in Computer Engineering, Politecnico di Torino** Torino, Italy

- Graduated with 107/110, I was part of the excellence program "Percorso Giovani Talenti" (young talents track) reserved for the best 200 students among all programs.
- Relevant courses: Algorithms and data structures, OOP, and Databases.
- Languages and technologies: Java, SQL, C, Matlab, Assembly, HTML.

---

## EXTRA-CURRICULAR ACTIVITIES

Feb 2020 — Jun 2022 **Student team, Bit Polito** Torino, IT

I was part of the management and the R&D group of the student team Bit Polito, the goal of this team is to do research and dissemination in the blockchain and bitcoin area. We developed our implementation of Schnorr signatures according to BIP340 in Python. I also took part in the podcast of the team and I organized several events.

---

REFERENCES **José Cabrero Holgueras from CERN**  
jose@cabreroholgueras.com