

GIULIO REBUFFO

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EDUCATION

The American School In Switzerland, Lugano

2018-2022

AP Diploma

Highest Honors Student

SAT Score: 1480

AP Macroeconomics: 5/5

AP Calculus AB: 5/5

AP Calculus BC: 5/5

AP Computer Science 5/5

AP Italian: 5/5

AP Statistics: 5/5

University Of Lugano

September 2022

B.S. in Computer Science & Engineering (ongoing)

EXPERIENCE

University Of Genoa

2016 - 2017

Hobbyist Embedded System Developer

Genoa, Italy

- I was allowed to do small research tasks for the robotics research team as an aspiring developer after catching one of the professor's attention,
- I was able to get experience with the ROS framework and get valuable experience with C++ and Python.
- I also built a simulation in C# for drone path finding using the Unity 3D framework and used speech recognition in joint with my robotics knowledge.

Deepit AG

2017-2018

Intern Backend/Frontend/Blockchain Developer

Genoa, Italy

- Built Smart contracts for multiple platforms such as hooks for the Universal Login protocol and rewritten the POA bridge to accept Compound C-Tokens.
- Built frontends and wallets interfaces for customizable ERC20 tokens deployers and built a vesting hub protocol.
- Built and managed PostgreSQL Databases for indexing of customer's transactions.
- Experience with Backend-Frontend interaction of various kinds.
- Learnt several technologies such as Solidity, Typescript, Javascript and WebAssembly (Emscripten).
- Learnt several frameworks such as Truffle, Hardhat, Angular, React.

Asset Bridging Firm I am not saying the name

2018 - 2020

Intern Backend Rust Developer

Unspecified

- Learnt how to manage a lot of money.
- Refactored the entirety of their backend.
- Rewritten their tools to conform their new backend version.
- Learnt Rust, and its best practices, along with code refactoring abilities.
- Learnt how large scales deployments are handled and how to act in a corporate-like environment.

Erigon AG

Project Lead

2021 - present

Zug, Switzerland

- Implemented PoS transition within the Erigon Client, built the entirety and foundation of its consensus Engine.
- Bootstrapped and current Project Lead of the Caplin Project.
- Implemented multiple still existing routines of the Silkworm Client written in C++.
- Created the first Rust implementation of the Ethereum jsonrpc in Akula.
- Currently Redesigning Ethereum as a whole within the Erigon Client.
- Performed basics Devop tasks such as contributing in setting up our Kubernetes testing infrastructure.
- Main technologies I used: Golang, Kubernetes, C++, Rust, Python, Docker.

TECHNICAL STRENGTHS

Programming Languages

Golang, C, C++, Rust, Python, Solidity, Javascript, Typescript

Protocols & APIs

DevP2P, LibP2P, JSON, GRPC, REST

Databases

MDBX, LMDB, PostgreSQL, MongoDB