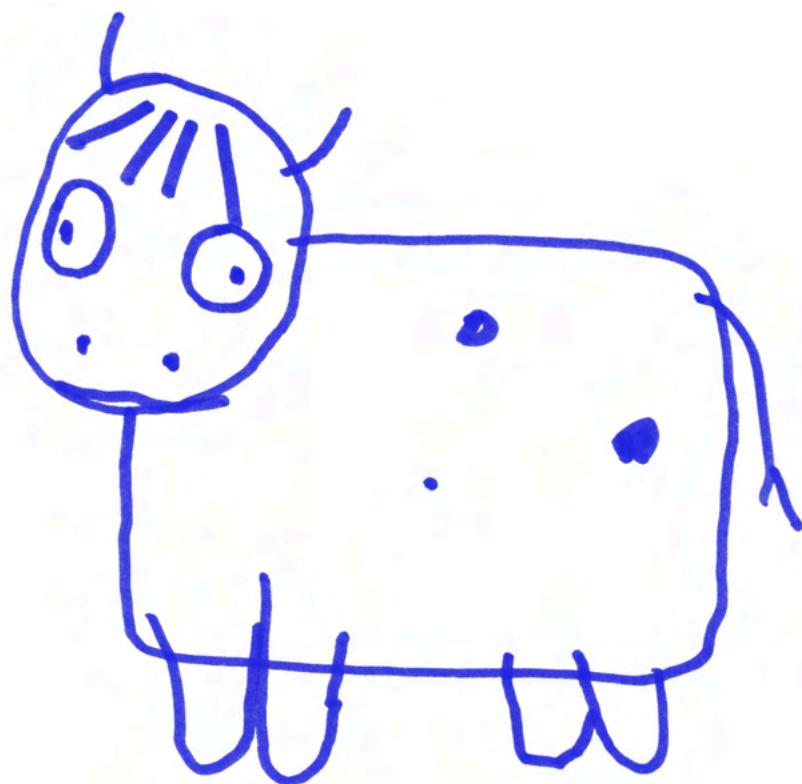
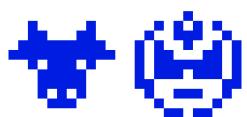


24/25



# BitPolito's activities annual report



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# Who we are

BitPolito is a student team at the Politecnico di Torino that has rapidly established itself as one of Italy's leading Bitcoin initiatives. The mission is to create a bridge between academia and the Bitcoin industry. In the four years since its foundation, BitPolito has experienced significant growth and remains dedicated to fostering a deeper understanding and awareness of Bitcoin.

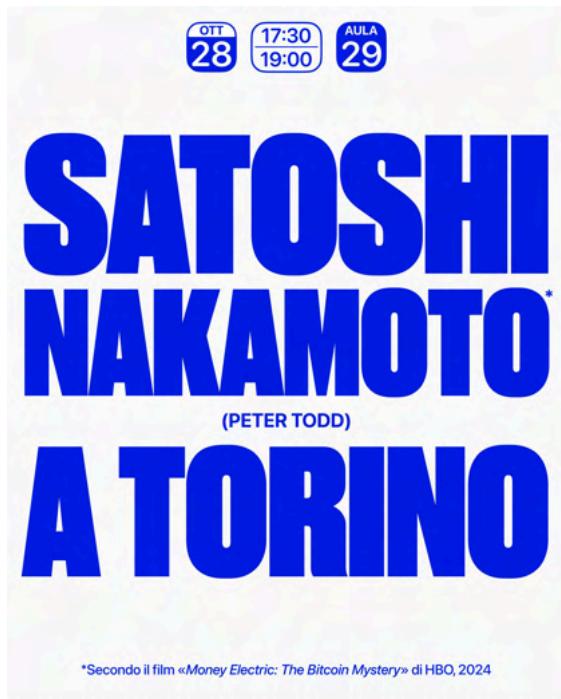
Focusing on both technological and social aspects, while avoiding financial topics, BitPolito's activities range from computer science and mathematical R&D to education through various courses and events. The team participates in major industry conferences and publishes educational content that combines a scientific approach with a youthful style, boasting over 8,000 followers across all social platforms.

Among its educational initiatives, the most successful is 'BitGeneration', a series of lectures for high schools that provides a solid overview of Bitcoin. Additionally, BitPolito promotes internal training, enabling its members to enhance their knowledge and connect with companies in the sector. The team actively contributes to FOSS projects in the Bitcoin space, offering hands-on experience with challenging real-world projects. Moreover, members have easier access to external Bitcoin educational programs, corporate thesis, internships and job opportunities.

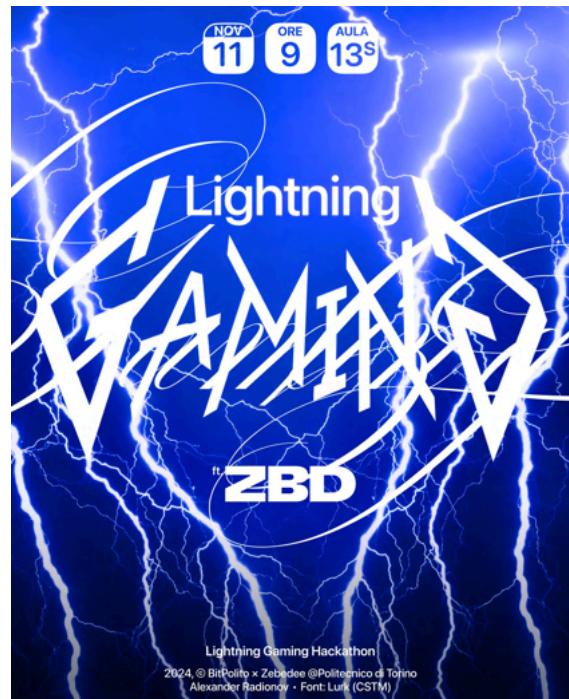
Drawing inspiration from the 'Cypherpunk' movement, BitPolito shares values of freedom, privacy, and open-source principles. The team collaborates with institutional entities, businesses, and organizations in both the public and private sectors, advocating for the free and responsible use of technology.

Currently, BitPolito consists of around 50 active members, mainly students from the Polytechnic, but also young people from diverse backgrounds. Around 200 individuals have been involved with BitPolito, with more than 25 now working in the Bitcoin industry. The team aims to increase its international presence while continuing to make a significant impact locally.

# Events at the Polytechnic



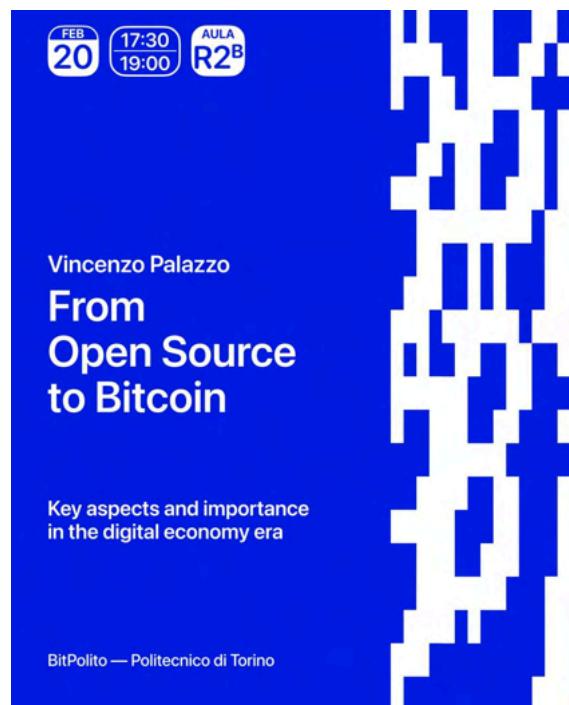
[Watch the video](#)



[Check the post](#)



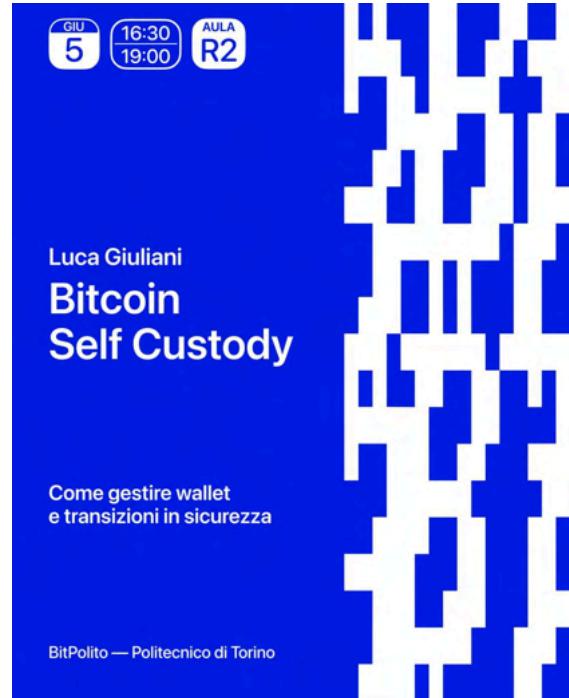
[Watch the video](#)



[Check the post](#)



[Watch the video](#)



[Watch the video](#)

# BitGeneration

BitGeneration was founded in 2023 as a school-work alternation project to bring Bitcoin to high schools — an initiative celebrated by many media outlets in the field. This year, we decided to bring BitGeneration to the Polytechnic University of Turin, with a complete cycle of lessons each semester open to everyone, students and non-students alike. The course has exceeded 400 enrolments, with meetings designed for all levels of expertise and outstanding guests. We have given everyone the opportunity to learn about Bitcoin at 360°.

↗ [Watch the playlist](#)



## Economics & Society

03.13

Eugenio Valenti — team leader of Education at BitPolito and IT consultant — spoke about Austrian economics, cypherpunk culture, and how Bitcoin is an alternative to traditional finance and central banks.

## Society & Cryptography

03.20

Emile Jellinek — vice president of BitPolito — spoke about financial inclusion and the role of Bitcoin in the economy. Gianluca Capiello — project manager of Cryptography at BitPolito — spoke about cryptography, starting with the oldest methods of encryption and moving on to the principles of asymmetric cryptography used in Bitcoin.

## IT Fundamentals

04.03

Sibilla Merlo — team leader of IT at BitPolito — spoke about the basics of computer science, open source development, the difference between network types, and the main elements of the Bitcoin stack.

## Game Theory

04.10

Francesco Pelle — president of BitPolito and management eng student — spoke about game theory and its applications in Bitcoin, from the consensus algorithm to the relationships between network actors.

## Mining

04.17

Gianluca Artusio — project manager of Mining at BitPolito — explained how mining works on both the software and hardware sides, with a focus on the environmental impact of this activity.

## Lightning Network

05.15

Walter Maffione — former team leader at BitPolito Lab and Bitcoin developer — spoke about the main solutions for Bitcoin scalability, with a focus on the Lightning Network. He explained how payment channels, the routing system, and node management work.

## Nodes & Wallet

05.22

Valerio Dalla Costa — founder of Villaggio Bitcoin and Bitcoin 4 Business — explored the role of nodes in the Bitcoin network and showed how to use a wallet correctly, from creating a seed to strategies for protecting your funds.

## Blockchain & Privacy

05.29

Daniela Brozzoni — Bitcoin Core developer and co-founder of Hack.bs — will talked about the structure of the blockchain, techniques for analyzing it, and focused on the strategies for increasing user security and privacy.

# External Events



[Watch the video](#)



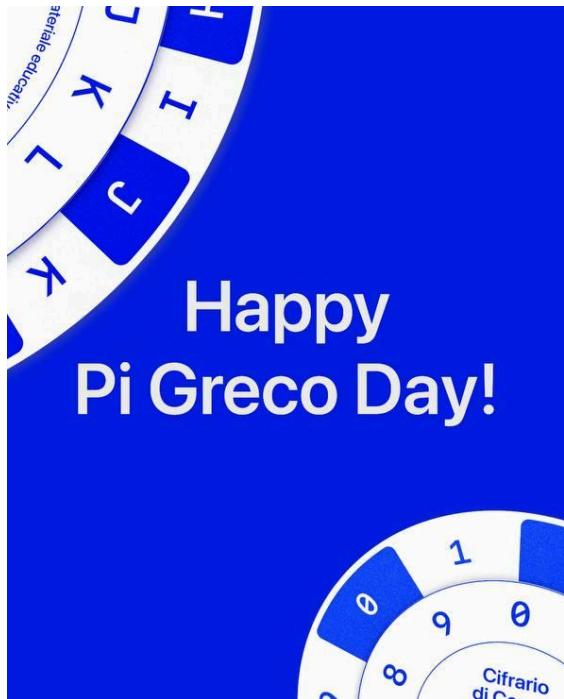
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We brought cypherpunk culture to Castalveccana and OFF-TOPIC in Turin. We visited schools with the "Bitcoin al Liceo" format and met students from Chivasso for Pi Day!

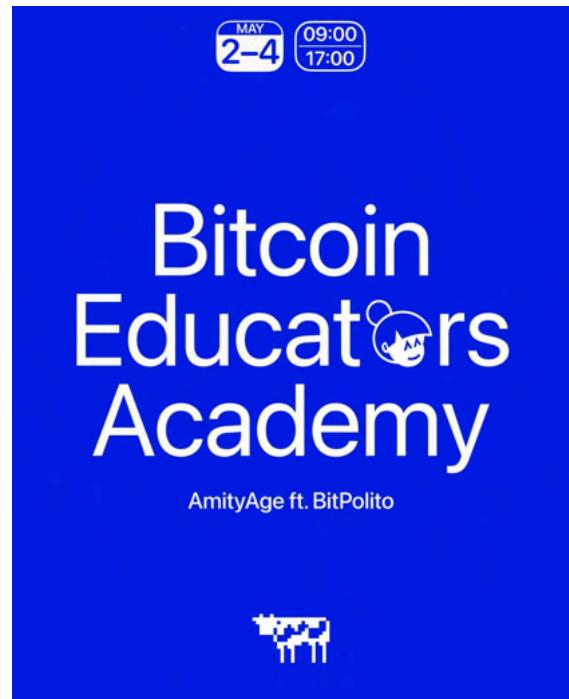
Together with Plan B Network, we launched two editions of B-Cert. With AmityAge, we trained the Bitcoin educators of today and tomorrow! When May arrived, we celebrated Pizza Day with Italy's largest Satoshi Spritz community!



[Check the post](#)



[Check the post](#)



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# Industry Conferences



## Plan B Forum

Lugano, 25<sup>th</sup>–26<sup>th</sup> October 2024

We participated ad speakers and exhibition partners.

Our speeches:

- ↗ [Bitcoin's Communication Issues](#)  
E. Jellinek

- ↗ [Bitcoin and FOSS in Universities](#)  
G. Rasetto & S. Scorsone

**Bitcoin vs Crypto**

F. Pelle

**Various Workshop about Mining, Lightning Network e Nodes**

A. Cacce, A. Messina, G. Artusio





## Plan B Forum

San Salvador, 30<sup>th</sup>–31<sup>st</sup> January 2025

We participated ad speakers and media partners.

Our speech:

- ↗ [Bitcoin Education – Empowering Minds](#)  
E. Jellinek





## BitCuneo

Cuneo, 21<sup>st</sup>– 22<sup>nd</sup> March 2025

We participated as speakers and media partners.

Our speeches:

- ↗ [Introduction to Bitcoin](#)  
G. Rasetto

- ↗ [IT Bases of Bitcoin](#)  
G. Vernetti

[Introduction to Bitcoin](#)  
E. Jellinek





## BitCare Forum

Brescia, 10<sup>th</sup> May 2025

We participated ad speakers an exhibition partners.

Our speeches:

**Free the Chip**

G. Rasetto

**Mining at Home**

Panel with G. Artusio

**IT Bases of Bitcoin**

F. Pelle

**Bitcoin's Privacy Walkthrough**

S. Scorsone

**CISA: Signatures' Aggregation**

G. Cappiello





## Barcelona Cypher Conference

Barcellona, 6<sup>th</sup>–7<sup>th</sup> March 2025

We participated as speakers and media partners.

Our speeches:

**Mining with Stratum V2/Datum**  
G. Vernetti

**OpSec Good Practices**  
S. Scorsone

**Building Parallel Structures – Design Thinking Activities**  
F. Pelle





## BTC Prague

Praga, 18<sup>th</sup>–21<sup>st</sup> June 2025

We participated as speakers.

Our speech:

- ↗ [Marketing in Bitcoin](#)  
E. Jellinek





## Baltic Honeybadger

Riga, 9<sup>th</sup>–10<sup>th</sup> August 2025

We participated as speakers and media partners.

Our speech:

Students, BitPolito and m0reSats!  
M. Harchegani





## BTCHEL

Helsinki, 15<sup>th</sup>–16<sup>th</sup> August 2025

We participated as speakers and media partners.

Our speech:

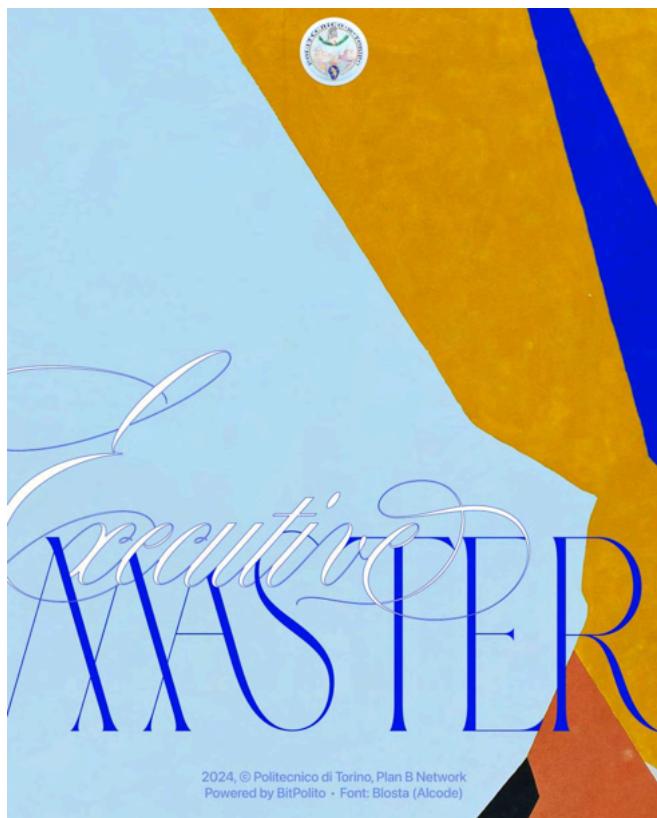
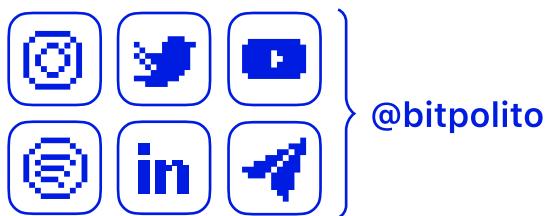
Bitcoin in Universities

F. Pelle



# Creazione contenuti

We communicate our activities, important announcements, new collaborations, and key industry news. We produce visual and textual content in various formats, adapting them for different channels. Additionally, we regularly participate in external media productions.



# FOSS Dev — BitPolito Lab

## Mining

The team explored Bitcoin mining through technical and practical projects. The guys launched home mining experiments with Bitaxe devices, thanks to a collaboration with Braiins, designed a conversion kit for Antminer S9 optimized for amateur 3D printing, and created a tutorial on the Stratum V2 protocol to help with its adoption.

 [View on GitHub](#)

## Lightning

The team worked on SatQuest — a platform that hosts open-source projects and encourages contributions through integrated payments and skill tracking with gamification. Born during a hackathon with Zebedee, the project has been presented at the Baltic Honeybadger conference in Riga, where it secured its first partners for pilot projects. The team also started a book club focused on *Mastering Lightning Network*, to spark discussion and deepen technical knowledge.

 [Join the Book Club](#)

 [Check out SatQuest](#)

## Artificial Intelligence

The new AI division is designing a chatbot to help users learning about Bitcoin. The students are collaborating with the Education team to select verified and valid sources to populate the database with. The team has launched an initial technical trial of the chatbot, based on Chroma DB, to test the knowledge base.

## IT Operations

The students took care of managing and improving the team's technical infrastructure. They installed and configured Proxmox as a virtualization platform and TrueNAS for backup management. They set up a Bitcoin and Lightning node with Umbrel, a UPS system for business continuity, and a VPN for secure remote access. The team also worked on the new website, which is still under development, and managed the transfer of the domain to a new registrar.

 [View on GitHub](#)

## Cryptography

The team focused on studying and implementing Silent Payments, a protocol proposed in BIP352 that improves transaction privacy by allowing addresses to be reused. Development began on a SeedSigner, built with accessible components and customized with an original graphic design. The software was successfully launched and the project is evolving, with a first version already available.

 [View on GitHub \(SeedSigner\)](#)

 [View on GitHub \(Silent Payments\)](#)

# Partner & Sponsor



Venture Capital supporting the development of Lightning Network. With a generous donation at the beginning of the year, it allowed us to support the team's activities and our ambition



[www.fulgur.ventures](http://www.fulgur.ventures)



[@FulgorVentures](https://twitter.com/FulgorVentures)



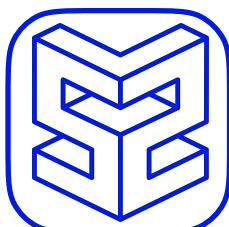
Innovative company combining gaming and Bitcoin. In November, we launched an hackathon on the topic of Lightning Network, aimed at developers, designers, and enthusiasts.



<https://zbd.gg/>



[@zbdapp](https://twitter.com/zbdapp)



A collab that's been going on for years, thanks also to the connection with one of the dev, co-founder of BitPolito. The team actively contributes to the development of the project.



<https://stratumprotocol.org/>



[@stratumv2](https://twitter.com/stratumv2)



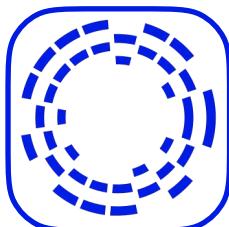
Collaborative project between Tether and the city of Lugano to promote Bitcoin. It supported us with scholarships, educational materials, and the organization of outreach activities.



<https://planb.network/>



[@planb\\_network](https://twitter.com/planb_network)



A company that develops infrastructures to improve the efficiency, security, and scalability of Bitcoin. We joined forces in Viareggio to organize the Liquid Developer Bootcamp.



<https://blockstream.com/>



[@Blockstream](https://twitter.com/Blockstream)

# Partner & Sponsor



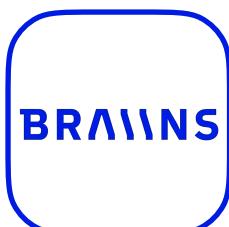
Develops and distributes a peer-to-peer trading app without KYC. The merchandise they donated was raffled off during the exciting challenges and quizzes organized for Pizza Day!



<https://vexl.it/>



[@vexl](#)



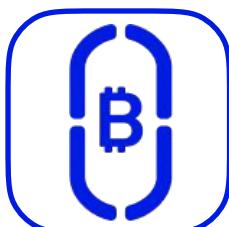
Prague-based company specializing in mining solutions. They gave us a mini miner to support the development and testing activities of BitPolito Lab's Mining division.



<https://braiins.com/>



[@BraiinsMining](#)



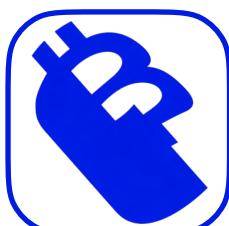
As exhibit partners, we participated with our own stand and held several workshops on Lightning, Mining, and Nods, in a setting that attracts enthusiasts from all over the world.



<https://planb.lugano.ch/planb-forum/>



[@LuganoPlanB](#)



This year, we participated with our own stand and organized activities in the play area, engaging visitors in competitive and educational activities related to Bitcoin.



<https://bitcareforum.it/>



[@BitcareForum](#)



We participated with our own stand, we gave several speeches on the technical, social, and economic aspects of Bitcoin, and also organized a meeting with high school students in Cuneo.



<https://bitcuneo.it/>



[@bitcuneo](#)

