ABOUT ME

I am an experienced, self-taught and highly driven Software Engineer on a continuous learning journey who loves to learn-by-coding

Passionate about the Rust programming language, distributed systems, applied Cryptography and cutting-edge Blockchain research

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Winterthur (Zürich, Switzerland)

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jonaspauli089@gmail.com

SOCIALS

Github
@jonas089

Open source projects revolving around Cryptography, Distributed Systems and Rust

LinkedIn
@jonas-pauli

Medium
@jonas_casper

- Cryptography and zk
- Blockchain architecture
- Applications of merkle trees

JONAS PAULI

R&D Engineer

EXPERIENCE

09 / 2022 – Today
R&D Engineer
Casper Association

- Research and Development of **Blockchain** scaling and complex privacy solutions, leveraging "**Zero Knowledge**" Cryptography
- **Architecture and Implementation** of a Zero Knowledge Blockchain Transaction Rollup system
- Development of novel finance solutions and algorithmic standards,- **proving and verifying executions** with Cryptography

07 / 2022 - 09 / 2022
R&D Assistant
Casper Association

- **Rust Smart Contract** development (Blockchain application development)
- Specialization in **Distributed solutions** and **applied Cryptography**

EDUCATION

05 / 2024 - 08 / 2024
Zero Knowledge Graduate Program
Rareskills

- Expert level graduate education for highly specialized Blockchain engineers
- "Conquer the fearsome Math and **code Zero Knowledge algorithms from scratch**"

PROJECTS

Acropolis

- ETH Berlin 2024 **Hackathon** Project: Authorized, Anonymous **Voting protocol**
- Technologies used: Rust, Risc0 **ZKVM**
- Github @cspr-rad/acropolis

Kairos

- Blockchain Transaction Rollup (scaling solution), also known as a "**Layer 2 zk rollup**"
- Github @cspr-rad/kairos