



MATTHEW KLEIN

CRYPTOGRAPHY ENGINEER LONDON, UNITED KINGDOM +447866408597

◦ DETAILS ◦

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◦ LINKS ◦

[LinkedIn](#)
[Github Portfolio](#)
[Personal Site](#)

◦ SKILLS ◦

Rust
C++
TypeScript
Cryptography
Compilers

◦ LANGUAGES ◦

English

Hebrew



PROFILE

Software engineer currently at [Nethermind](#).
Passionate about well written, clean code and useful software.
I have experience in applied cryptography, compilers and machine learning.
Lover of all things zero-knowledge.



EMPLOYMENT HISTORY

Cryptography Engineer at Nethermind, Remote
October 2024 — Present

Cryptography Research Intern at Nethermind, Remote
June 2024 — September 2024
Researching, implementing and optimising cryptographic primitives and zero-knowledge systems. Mostly developing in Rust programming language.



EDUCATION

Computer Science, King's College London, London
September 2021 — August 2024
First class honours in Computer Science. Focusing on compilers and artificial intelligence.

Talmudic College, Jerusalem
August 2017 — September 2021

Hasmonean High School, London
September 2010 — August 2017
Graduated with A Levels in Maths (A*), Further Maths (A*), Chemistry (A), Physics (A) and Biblical Hebrew (A).



PROJECTS

ZK engineering
January 2025 — Present
Spearheaded implementation of Zinc protocol, a new SNARK over the integers.

Lattice Cryptography
June 2024 — Present
Core contributor to the [latticefold repo](#), which implements a lattice based folding scheme. Contributed to Nethermind's PQ signature project, focusing on Falcon signatures. Appeared on the [Zero Knowledge podcast](#), to discuss my lattice based cryptography research.

Compilers for small languages
October 2023 — January 2024
Part of university coursework. Compiling an imperative language to run on the JVM and a functional language to LLVM- IR. Coursework written in Scala programming language.
In addition, for my dissertation I wrote a functional programming language that has date and time data as primitive types.