

# Matthew Alexander Klein

SOFTWARE ENGINEER

## Details

London  
United Kingdom  
+447866408597  
[matthewklein345@gmail.com](mailto:matthewklein345@gmail.com)

## Links

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

## Skills

Agile programming  
Java  
Javascript (esp. Typescript)  
Python  
Scala  
Team player  
Web development

## Languages

English  
Hebrew

## Profile

Software engineer currently studying computer science at King's College London.  
Passionate about well written, clean code and useful software.

I have experience in web development, compilers and Machine learning.

## Education

### Computer Science, King's College London, London

SEPTEMBER 2021 – PRESENT

Working towards a first class degree in Computer Science. Focusing on compilers and artificial intelligence.

### Yeshivas Mir Yerushalayim, Jerusalem

MARCH 2021 – SEPTEMBER 2021

Talmudical college with emphasis on an holistic understanding of law.

### Yeshivas Heichal Hatorah, Jerusalem

AUGUST 2017 – MARCH 2021

Talmudical college with emphasis on textual analysis. I gained skills in independent learning, critical thinking and reasoning.

### 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).

## Personal Projects

### Time Calculator

OCTOBER 2023 – APRIL 2024

Software that can calculate times and dates. Proof of concept for my dissertation on parsing algorithms.

### 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.

### Family organiser app

SEPTEMBER 2023 – OCTOBER 2023

An app that manages family tasks and is shared between family members such as cleaning schedules and shopping lists. Using Django and React Native (vanilla JavaScript).

### Lectures Database

MAY 2023 – AUGUST 2023

A website to upload, access and download lectures. Using Django Rest Framework at the backend and React TS in the frontend.