

# Maxime Lalisse

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Phone: +33 6 36 71 54 50

## Education

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**Master in Computer Science**  
University of Lille, Lille, France

Sept 2023 – June 2024

**License in Computer Science**  
UPMC, Paris, France

Sept 2009 – June 2013

## Experience

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**Mobile E-voting Engineer**

Jan 2023 – June 2023

Scrutin.app, Remote

Developed a decentralized mobile app for online voting. Performed cryptographic operations on-device, including encrypting votes, computing results, and verifying elections.

<https://scrutin.app>

**E-voting Engineer**

May 2022 – Jan 2023

Electis, Paris

Worked on an e-voting solution based on ElectionGuard, similar to the Helios cryptosystem.

**Web Developer**

Aug 2021 – May 2022

Winddle, Paris

Phased out a legacy Backbone.js solution and replaced it with Vue.js. Optimized Ruby on Rails queries to improve server efficiency.

**Cybersecurity Engineer**

Nov 2020 – July 2021

Stormshield, Lille

Developed new functionalities based on the KPM, custom APIs for OpenSSL certificates, and maintained the FreeBSD-based distribution. Found and fixed security vulnerabilities.

**Video Game Developer**

Sept 2014 – Oct 2020

Eko Software, Paris

Developed game engines across various platforms (PS3, PS4, Xbox One, Switch). Handled GPU development with shaders and created web-based tools for managing game databases and toolchains.

## Projects

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**Scrutin.app**

An e-voting app based on Belenios.

<https://scrutin.app>

**Safebook**

An experimental social network.

<https://github.com/safebook/safebook>

**Safebook Zero**

A no-metadata messaging system inspired by Bitmessage.

<https://github.com/safebook/safebook-zero>

**Lifecraft**

An OCaml (BuckleScript) frontend for Conway's Game of Life.

<https://github.com/mjal/lifecraft>

### **Fractal Explorer**

A web-based explorer of fractals from the Julia set.

### **Ami**

A homepage and search frontend

## **Skills**

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- **Programming:** C, C++, OCaml, Ruby, Python, Bucklescript, Javascript/Typescript, Rescript, React, Vue.js
- **Tools:** Linux, Git, LaTeX, Vim, Emacs

## **Languages**

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- French: Native
- English: B2