

# Maxime Lalisse

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[github.com/mjal](https://github.com/mjal)

## Education

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<b>Master in Computer Science</b> University of Lille, Lille, France	Sept 2023 – June 2024
<b>Ecole 42</b> Paris, France	Sept 2013 – June 2014
<b>License in Computer Science</b> UPMC, Paris, France	Sept 2009 – June 2013

## Experience

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<b>E-voting Engineer</b> Scrutin.app, Remote Developed a mobile app for online voting. Performed cryptographic operations on-device, including encrypting votes, computing results, and verifying elections. <a href="https://scrutin.app">https://scrutin.app</a>	Jan 2023 – June 2023
<b>E-voting Engineer</b> Electis, Paris Worked on an e-voting solution based on ElectionGuard, similar to the Helios cryptosystem.	May 2022 – Jan 2023
<b>Web Developer</b> Winddle, Paris Phased out a legacy Backbone.js solution and replaced it with Vue.js. Optimized Ruby on Rails queries to improve server efficiency.	Aug 2021 – May 2022
<b>Cybersecurity Engineer</b> Stormshield, Lille Developed new functionalities using the TPM. Worked with OpenSSL certificates, and maintained a FreeBSD-based distribution, applying critical patches.	Nov 2020 – July 2021
<b>Video Game Developer</b> 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.	Sept 2014 – Oct 2020

## Projects

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<b>Scrutin.app</b> An e-voting app based on Belenios. <a href="https://scrutin.app">https://scrutin.app</a>
<b>Safebook</b> An experimental social network. <a href="https://github.com/safebook/safebook">https://github.com/safebook/safebook</a>
<b>Safebook Zero</b> A no-metadata messaging system inspired by Bitmessage. <a href="https://github.com/safebook/safebook-zero">https://github.com/safebook/safebook-zero</a>
<b>Lifecraft</b> An OCaml (BuckleScript) frontend for Conway's Game of Life. <a href="https://github.com/mjal/lifecraft">https://github.com/mjal/lifecraft</a>

**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, Javascript/Typescript, Rescript, React, Vue.js
- **Tools:** Linux, Git, Vim, Cryptography

**Languages**

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- French: Native
- English: B2
- Spanish: B1