Dr. Jérémy Cochoy

**CEO - Redstone Solutions**

## Corporate Experience

2019-2020

*CTO at Symphonia*

R&D on audio signal processing using python and pytorch. Architecture and implementation of the iOS app embeding the algorithm in swift and C. Management of a small team.

2018-2019

*Backend Developper at Klaxit*

I was a backend developper at the French carpooling startup Klaxit. Worked with a ruby stack, redis, sidekick, aws, postgre on features integration, bug fixes, and performance improvement.

2015-2018

*Doctorat et Monitorat - INRIA Saclay & U-PSUD* (Paris, France).

PhD in persistent homology with Steve Oudot. I taught at the IUT d’Orsay and University Paris Descart.

2013

*Internship with Frank Wagner* (Lyon, France).

Modele theorie.

2012

*Internship with Frédéric Chapoton*

Knot theory.

2009

*In charge of the Assembly subjet at EPITECH*

I was in charge of the *Assembly* lessons for the second year students at the School EPITECH. I also took part to other subjects.

## Education

2018

*PhD in Computer science and Mathematics*

I worked on persisent homology.

2014 - 2015

*Master Introduction a la theorie des fonctions zeta et L - ENS* (Lyon, France).

Second year of master at the Ecole Normale Superieur of Lyon.

2013 - 2014

*Agregation - ENS* (Lyon, France).

Selective French competitive exam to allow teaching in high school and classes preparatoires.

20011 - 2012

*Licence 3 - ENS* (Lyon, France).

Third year of Licence in mathemtics at the Ecole Normale Superieur of Lyon.

2009 - 2011

*Licence 1 and Licence 2 - UCBL* (Lyon, France).

First and second year of Licence in the university of Lyon.

## Open Source Contributions

C++

Author of [sednl](https://github.com/jeremycochoy/sednl), a simple event driven network library.

Rust

Author of [SGB](https://github.com/jeremycochoy/sgb), a simple game boy classic emulator written in rust.

## Techs and Stacks

* Pytorch, Flask, Pandas
* C++, Rust
* Swift
* Ruby, Rails, Sinatra, Redis
* Vue.js, React
* AVR assembly

## Activities and interests

Hobbies

Playing and composing music, reading.

Sports

Dance (Lindy Hop, Rock, …) and Climbing.

jeremy.cochoy@gmail.com • +33 6 43 01 74 02 • years old
43-300 Bielsko-Biala
Poland
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