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**, a simple event driven network library.

Rust Author of **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.

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