



# PIERRE SINQUIN

## PROFILE

Curious, motivated and determined, I'm actively looking for an employment after my Master's degree in Bioinformatics, particularly in research for new technologies of bioinformatics, as well as in sustainable development. The issues and problems that your team faces touch me and I would be delighted to take part in them.

## EXPERIENCE

### Programmer, EMBL-EBI, Cambridge – Feb-Aug 2024

Intern in the **Reactome** team. My mission is to create a pipeline enhancing Reactome's biological pathway visualisations by integrating **AlphaFold-predicted** protein structures and physical interaction predictions. A project realised using **Nextflow**, **Neo4j**, and **Mol\***.

### Programmer, NuMeCan, Rennes – May-Aug 2023

Intern in the **NuMeCan** Mether pole. We set up a **web interface** for integrating **metabolic data** from a set of bacteria studied in the laboratory. Translated as an application simulating the cultivation of bacteria. This has been made with **Neo4j**, the **Django** framework and **BioCyc**, **Reactome** and **SMPDB** databases.

### Programmer, Biotrial, Rennes – 2021-2022

Intern in the **Biotrial** biometrics pole. I did **Data Visualisation** on **Business Object** with clinical data from **Medidata**. I set up a tool allowing the monitoring of data during the study. In parallel, I developed **data consistency** checks with **SAS**.

### Programmer, DDEC-29, Quimper – Jan-Feb 2021

Adaptation of the **Pedagogical Animation Plan** to the web framework, **Laravel**, for the **DDEC** of Finistère. It is a registration platform for training courses for teachers from the 1st and 2nd degree.

### Summer jobs, Ker Cadélaç and Grencap, Brittany FR – Summer 2018 to 2021

Manual work in the Ker Cadélaç factory. Work in the fields, maintenance of fir trees for winter season at Grencap.

## STUDIES

**Rennes 1, Rennes FR** – Master's degree Bio-informatics, 2022-2024

**University Institute of Technology, Vannes FR** – Professional degree, Statistics and informatics for health, 2022

**BTS, Rennes FR** – IT services for organisations, 2021

**High School of Cornouaille, Quimper FR** – Baccalaureate, 2019

## SKILLS

Through my training, I have acquired a profile oriented on three branches; a web and software development side, statistics and computer science applied to health, and now completed by Bioinformatics.

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## SOFTWARE SKILLS

Java	Python
C#	Snakemake
nextflow	Bash

## Web and Object language

Laravel Django	Html
Css	Php
Sql	Cypher
Type-Script	Java-Script

## Statistics and DataManagement tools

SPAD	SAS
Medidata	RStudio
Business Objects	

## FIELDS OF INTEREST

Football (R3), running, surfing, climbing, swimming, judo (competitions). World cuisine, eco-citizenship, underground rap music, art galleries...